BTL-4000 Laser

LIST OF DIAGNOSES

V100TN05/05/2004

LASER **7**
1 nogier 1.14 Hz 7
2 nogier 2.28 Hz 7
3 nogier 4.56 Hz 7
4 nogier 9.12 Hz 7
5 nogier 18.3 Hz 7
6 nogier 36.5 Hz 8
7 nogier 73 Hz 8
8 nogier 146 Hz 8
9 EAV 1.2 Hz 8
10 EAV 1.7 Hz 8
11 EAV 1.75 Hz 9
12 EAV 2.2 Hz 9
13 EAV 2.45 Hz 9
14 EAV 2.5 Hz 9
15 EAV 2.65 Hz 9
16 EAV 2.9 Hz 10
17 EAV 3.3 Hz 10
18 EAV 3.5 Hz 10
19 EAV 3.6 Hz 10
20 EAV 3.8 Hz 10
21 EAV 3.9 Hz 11
22 EAV 4 Hz 11
23 EAV 4.9 Hz 11
24 EAV 5.55 Hz 11
25 EAV 5.8 Hz 11
26 EAV 5.9 Hz 12
27 EAV 6 Hz 12
28 EAV 6.3 Hz 12
29 EAV 6.8 Hz 12
30 EAV 7.5 Hz 12
31 EAV 7.7 Hz 13
32 EAV 8.25 Hz 13
33 EAV 9.2 Hz 13
34 EAV 9.35 Hz 13
35 EAV 9.4 Hz 13
36 EAV 9.45 Hz 14
37 EAV 9.5 Hz 14
38 EAV 9.6 Hz 14
39 EAV 9.7 Hz 14
40 EAV 10 Hz 14
41 alveolitis 15
42 analgia 16
43 angulus infectiosus 16
44 aphta (stomatitis aphtosa) (1) 17
45 aphta (stomatitis aphtosa) (2) 17
46 caries dentis 18
47 cicatrix cheloidum 19
48 cicatrix recens (1) 20
49 cicatrix recens (2) 21
50 contusio 21
51 decubitus 22
52 dentitio difficil.-analgia 22
53 fractura – analgia 23
54 gingivitis 23
55 herpes (1) 24
56 herpes (2) 24

57 hyperaemia pulpae ... 25
58 hypersensibilitas dentinalis ... 25
59 morbus temporomandibulare ... 26
60 neuralgia nervi trigemini ... 27
61 parodontotis ... 27
62 periodontitis ... 28
63 postextractio ... 29
64 preparatio ... 30
65 pulpa aperta ... 30
66 pulpitis ... 31
67 sanatio postoperat. ... 32
68 analgia - haematom (intraoralis) ... 33
69 analgia - haematom (extraoralis) ... 33
70 analgia - injured nerve ... 34
71 fractura – analgia ... 34
72 parodontotis (suppurative gingivitis) ... 35
73 parodontotis (deep periodontal pocket) ... 35
74 acne ... 36
75 alopecia (defluvium capillorum) ... 37
76 cicatrix cheloidum ... 38
77 cicatrix recens (1) ... 39
78 cicatrix recens (2) ... 40
79 combustio ... 41
80 decubitus ... 41
81 dermatitis ... 42
82 dermatitis perioralis ... 42
83 eczema ... 43
84 furunculus ... 43
85 haematoma ... 44
86 herpes (1) ... 45
87 herpes (2) ... 46
88 lichen planus ... 46
89 rosacea ... 47
90 sanatio postoperativa ... 47
91 striae ... 48
92 ulcus cruris (1) ... 48
93 ulcus cruris (2) ... 49
94 abscessus glandulae bartholini ... 49
95 algomenorrhoea ... 50
96 cervicitis acuta ... 50
97 cervicitis chronica ... 51
98 cicatrix cheloidum ... 51
99 cicatrix recens (1) ... 52
100 colpitis acuta ... 52
101 colpitis chronica ... 53
102 conisatio colli uteri ... 53
103 dystrophia vulvae (1) ... 53
104 haematoma ... 54
105 herpes genitalis (1) ... 54
106 incontinentia urinae ... 55
107 parametritis ... 55
108 pruritus ... 56
109 sanatio postoperativa ... 56
110 striae ... 57
111 urocystis-irritabilis ... 57
112 vulvitis ... 57
113 cicatrix recens (1) ... 58
114 cicatrix recens (2) ... 59

115 furunculus ... 59
116 herpes (1) ... 60
117 herpes (2) ... 61
118 otitis media acuta (1) ... 61
119 otitis media acuta (2) ... 62
120 otitis media chronica ... 62
121 perforatio membranae tympani traumatici ... 63
122 pharyngitis ... 63
123 rhinitis vasomotorica ... 63
124 sanatio postoperativa ... 64
125 sanatio posttrepanationis ... 64
126 sinusitis acuta ... 65
127 sinusitis chronica ... 65
128 tinnitus (1) ... 66
129 tinnitus (2) ... 66
130 tonsillectomia ... 66
131 tonsillitis ... 67
132 tonsillopharyngitis ... 67
133 achillodynia (1) ... 68
134 achillodynia (2) ... 69
135 arthritis ... 70
136 arthritis rheumatica (1) ... 71
137 arthritis rheumatica (2) ... 72
138 arthritis uratica ... 72
139 arthrosis (1) ... 73
140 arthrosis (2) ... 74
141 bursitis (1) ... 75
142 bursitis (2) ... 76
143 calcar calcanei (1) ... 76
144 calcar calcanei (2) ... 77
145 contusio ... 77
146 decubitus ... 78
147 distorsio ... 78
148 enthesopathia ... 79
149 epicondylitis (1) ... 79
150 epicondylitis (2) ... 80
151 chondropathia patelae ... 80
152 induratio penis plastica (1) ... 81
153 induratio penis plastica (2) ... 81
154 ischialgia ... 82
155 morbus dupuytrene (1) ... 82
156 morbus dupuytrene (2) ... 83
157 myorelaxatio ... 83
158 oedema ... 84
159 sacralgia ... 84
160 spina dorsalis (dorsalgia) (1) ... 85
161 spina dorsalis (dorsalgia) (2) ... 86
162 spondylarthritis ancylopoetica (1) ... 86
163 spondylarthritis ancylopoetica (2) ... 87
164 sy. canali carpi ... 87
165 sy. tietz (1) ... 88
166 sy. tietz (2) ... 88
167 sy. vertebralis ... 88
168 tendopathia (1) ... 89
169 tendopathia (2) ... 90
170 tendovaginitis (1) ... 91
171 tendovaginitis (2) ... 92
172 analgia ... 92

173 calcar calcanei (1) 93
174 calcar calcanei (2) 93
175 enthesopathia 94
176 induratio penis plastica (1) 94
177 induratio penis plastica (2) 95
178 ischialgia 95
179 migraena 96
180 morbus dupuytrene (1) 96
181 morbus dupuytrene (2) 97
182 neuralgia 97
183 paresis nervi facialis 98
184 sacralgia 98
185 spina dorsalis (dorsalgia) (1) 99
186 spina dorsalis (dorsalgia) (2) 99
187 tinnitus (1) 100
188 tinnitus (2) 100
189 achillodynia (1) 100
190 achillodynia (2) 101
191 bursitis (1) 102
192 bursitis (2) 103
193 calcar calcanei (1) 103
194 calcar calcanei (2) 104
195 distorsio 104
196 epicondylitis (1) 105
197 epicondylitis (2) 106
198 chondropathia patellae 106
199 tendopathia (1) 107
200 tendopathia (2) 107
201 tendovaginitis (1) 108
202 tendovaginitis (2) 108
203 achillodynia (1) 109
204 achillodynia (2) 110
205 contusio 111
206 distorsio 112
207 epicondylitis (1) 113
208 epicondylitis (2) 114
209 haematoma 115
210 myorelaxatio 115
211 oedema 116
212 tendopathia (1) 116
213 tendopathia (2) 117
214 tendovaginitis (1) 117
215 tendovaginitis (2) 118
216 acne 118
217 analgia 119
218 aphta (stomatitis aphtosa) (1) 119
219 aphta (stomatitis aphtosa) (2) 120
220 cicatrix cheloidum 120
221 cicatrix recens (1) 121
222 cicatrix recens (2) 122
223 combustio 123
224 contusio 124
225 dermatitis 125
226 eczema 125
227 furunculus 126
228 haematoma 126
229 herpes (1) 127
230 herpes (2) 128

231 lichen planus 128
232 oedema 129
233 pruritus 129
234 sanatio postoperativa 130
235 striae 130
236 acne 131
237 analgia 131
238 aphta (stomatitis aphtosa) (1) 132
239 aphta (stomatitis aphtosa) (2) 132
240 arthritis 133
241 cicatrix cheloidum 134
242 cicatrix recens (1) 135
243 cicatrix recens (2) 136
244 combustio 136
245 contusio 137
246 decubitus 138
247 dermatitis 138
248 eczema 139
249 furunculus 139
250 haematoma 140
251 herpes (1) 141
252 herpes (2) 142
253 lichen planus 142
254 oedema 143
255 pruritus 143
256 sanatio postoperativa 144
257 striae 144
258 ulcus cruris (1) 145
259 ulcus cruris (2) 145

L A S E R

1 N O G I E R 1 . 1 4 H Z

Program	L-0100 nogier 1.14 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 1.14 Hz Duty factor (DF): 80 % (256)

2 N O G I E R 2 . 2 8 H Z

Program	L-0101 nogier 2.28 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 2.28 Hz Duty factor (DF): 80 % (257)

3 N O G I E R 4 . 5 6 H Z

Program	L-0102 nogier 4.56 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 4.56 Hz Duty factor (DF): 80 % (258)

4 N O G I E R 9 . 1 2 H Z

Program	L-0103 nogier 9.12 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 % (259)

5 N O G I E R 1 8 . 3 H Z

Program	L-0104 nogier 18.3 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 18.3 Hz Duty factor (DF): 80 % (260)

6 NOGIER 36.5 HZ

Program	L-0105 nogier 36.5 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 36.5 Hz Duty factor (DF): 80 % (261)

7 NOGIER 73 HZ

Program	L-0106 nogier 73 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 73 Hz Duty factor (DF): 80 % (262)

8 NOGIER 146 HZ

Program	L-0107 nogier 146 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 146 Hz Duty factor (DF): 80 % (263)

9 EAV 1.2 HZ

Program	L-0200 EAV 1.2 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 1.2 Hz Duty factor (DF): 80 % (265)

10 EAV 1.7 HZ

Program	L-0201 EAV 1.7 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 1.7 Hz Duty factor (DF): 80 % (266)

11 EAV 1.75 HZ

Program	L-0202 EAV 1.75 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 1.75 Hz Duty factor (DF): 80 % (267)

12 EAV 2.2 HZ

Program	L-0203 EAV 2.2 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 2.2 Hz Duty factor (DF): 80 % (268)

13 EAV 2.45 HZ

Program	L-0204 EAV 2.45 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 2.45 Hz Duty factor (DF): 80 % (269)

14 EAV 2.5 HZ

Program	L-0205 EAV 2.5 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 2.5 Hz Duty factor (DF): 80 % (270)

15 EAV 2.65 HZ

Program	L-0206 EAV 2.65 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 2.65 Hz Duty factor (DF): 80 % (271)

16 EAV 2.9 HZ

Program	L-0207 EAV 2.9 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 2.9 Hz Duty factor (DF): 80 % (272)

17 EAV 3.3 HZ

Program	L-0208 EAV 3.3 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 3.3 Hz Duty factor (DF): 80 % (273)

18 EAV 3.5 HZ

Program	L-0209 EAV 3.5 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 3.5 Hz Duty factor (DF): 80 % (274)

19 EAV 3.6 HZ

Program	L-0210 EAV 3.6 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 3.6 Hz Duty factor (DF): 80 % (275)

20 EAV 3.8 HZ

Program	L-0211 EAV 3.8 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 3.8 Hz Duty factor (DF): 80 % (276)

21 EAV 3.9 HZ

Program	L-0212 EAV 3.9 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 3.9 Hz Duty factor (DF): 80 % (277)

22 EAV 4 HZ

Program	L-0213 EAV 4 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 4 Hz Duty factor (DF): 80 % (278)

23 EAV 4.9 HZ

Program	L-0214 EAV 4.9 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 4.9 Hz Duty factor (DF): 80 % (279)

24 EAV 5.55 HZ

Program	L-0215 EAV 5.55 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 5.55 Hz Duty factor (DF): 80 % (280)

25 EAV 5.8 HZ

Program	L-0216 EAV 5.8 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 5.8 Hz Duty factor (DF): 80 % (281)

26 EAV 5.9 HZ

Program	L-0217 EAV 5.9 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 5.9 Hz Duty factor (DF): 80 % (282)

27 EAV 6 HZ

Program	L-0218 EAV 6 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 6 Hz Duty factor (DF): 80 % (283)

28 EAV 6.3 HZ

Program	L-0219 EAV 6.3 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 6.3 Hz Duty factor (DF): 80 % (284)

29 EAV 6.8 HZ

Program	L-0220 EAV 6.8 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 6.8 Hz Duty factor (DF): 80 % (285)

30 EAV 7.5 HZ

Program	L-0221 EAV 7.5 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 7.5 Hz Duty factor (DF): 80 % (286)

31 EAV 7.7 HZ

Program	L-0222 EAV 7.7 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 7.7 Hz Duty factor (DF): 80 % (287)

32 EAV 8.25 HZ

Program	L-0223 EAV 8.25 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 8.25 Hz Duty factor (DF): 80 % (288)

33 EAV 9.2 HZ

Program	L-0224 EAV 9.2 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.2 Hz Duty factor (DF): 80 % (289)

34 EAV 9.35 HZ

Program	L-0225 EAV 9.35 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.35 Hz Duty factor (DF): 80 % (290)

35 EAV 9.4 HZ

Program	L-0226 EAV 9.4 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.4 Hz Duty factor (DF): 80 % (291)

36 EAV 9.45 HZ

Program	L-0227 EAV 9.45 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.45 Hz Duty factor (DF): 80 % (292)

37 EAV 9.5 HZ

Program	L-0228 EAV 9.5 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.5 Hz Duty factor (DF): 80 % (293)

38 EAV 9.6 HZ

Program	L-0229 EAV 9.6 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.6 Hz Duty factor (DF): 80 % (294)

39 EAV 9.7 HZ

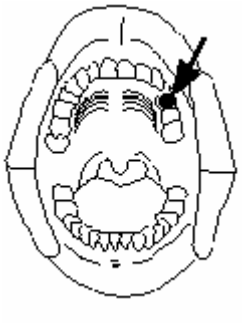
Program	L-0230 EAV 9.7 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 9.7 Hz Duty factor (DF): 80 % (295)

40 EAV 10 HZ

Program	L-0231 EAV 10 Hz
Therapy parameters	Dosage: 0.5 J/cm2 Power: by probe Irradiated area: 0.1 cm2 Frequency: 10 Hz Duty factor (DF): 80 % (296)

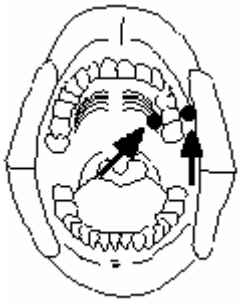
41 ALVEOLITIS

Program	L-0300 alveolitis
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	every other day (3x per week)
Number of treatments	1 - 3
Note	Recommended procedure:. Disinfect the extraction wound with chlorhexidin. Place the probe into the wound and irradiate. Fill in the extraction wound with Avolgyl or Repin. Repeat 1 - 3 times. Laser therapy can also decrease pain in the lymphatic gland. An analgesic effect is achieved and the healing process is hastened. Positive results appear immediately after the first laser application. (298)



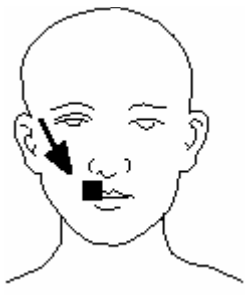
42 ANALGIA

Program	L-0301 analgia
Therapy parameters	Dosage: 3.5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	min. 1
Number of treatments	min. 1
Note	If a needle is used that is too large, or anesthesia is injected too quickly, the blood vessel can be injured and a hematoma may occur. Laser therapy shortens the healing process of the hematoma. Apply intra-orally to the injection area, and extra-orally to the affected muscle. For a nerve injury, apply to the injured area. Continue intra- and extra-oral treatment sessions until symptoms of the hematoma regress. Parasthesia, hypesthesia and anesthesia following a nerve injury caused by the injection needle requires long-term treatment. Laser therapy induces healing. Apply 1 - 2 a week for a total of 10 treatments at 2 - 4 J/cm2. Laser therapy reduces pain, contractures, and the risk of hematoma formation. (299)



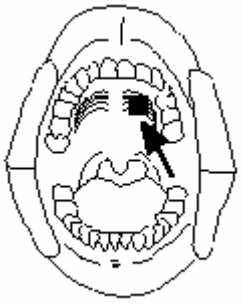
43 ANGULUS INFECTIOSUS

Program	L-0302 angulus infectiosus
Therapy parameters	Dosage: 1.6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.2 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – every other day
Number of treatments	min. 3 - 5
Note	Irradiate the affected area. Prior to therapy, remove local medicaments such as gels or plaster. Results can be seen after only 3 therapy sessions. Irradiation induces healing. For chronic disease, duration of therapy is longer. (300)



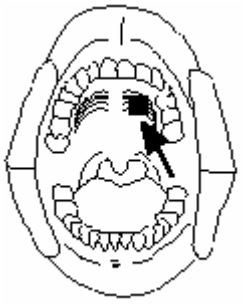
44 APHTA (STOMATITIS APHTOSA) (1)

Program	L-0303 aphta (stomatitis aphtosa) (1)
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	2 - 5 (2x per day possible)
Number of treatments	2 - 5
Note	Irradiate the entire affected surface as close to the center as possible. Traditional treatment methods usually last 8 - 10 days, but laser therapy cuts the duration to 1 - 2 days. Induces faster cessation of the burning sensation. Laser therapy reduces the number and duration of recidivation. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (301)



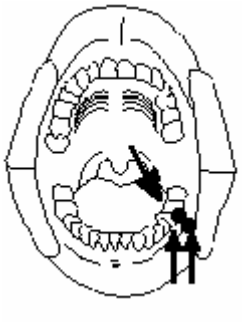
45 APHTA (STOMATITIS APHTOSA) (2)

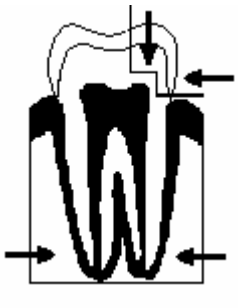
Program	L-0304 aphta (stomatitis aphtosa) (2)
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.2 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 - 5 (2x per day possible)
Number of treatments	2 - 5
Note	Irradiate the entire affected surface as close to the center as possible. Traditional treatment methods usually last 8 - 10 days, but laser therapy cuts the duration to 1 - 2 days. Induces faster cessation of the burning sensation. Laser therapy reduces the number and duration of recidivation. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (302)



46 CARIES DENTIS

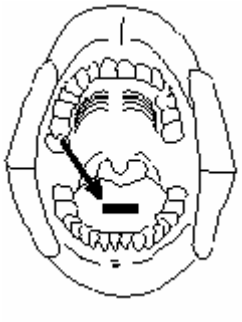
Program	L-0305 caries dentis
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 3.3 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1
Number of treatments	1
Note	Prior to extraction or filling, irradiate the dentine in the caries hollow, as well as the top of the root. Hastens lymphatic draining in the apical area, reduces edema and hyperemia in the pulp, and has an analgesic effect to nerve endings in the pulp. Sub-gum caries surgery can injure the papilla, which leads to bleeding that makes filling difficult. Laser therapy lowers pain and often stops bleeding. Irradiate injured papilla at 1 - 2 J/cm2. Tooth core caries: Laser therapy has an analgesic effect, and stimulates odontoblasts to form tertiary dentine. Density: 4 J/cm2. (303)

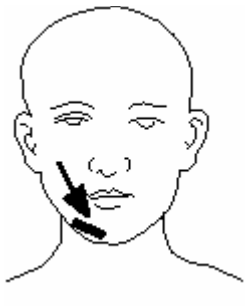




47 CICATRIX CHELOIDUM

Program	L-0306 cicatrix cheloidum
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 - 3
Number of treatments	10 - 15 (40)
Note	Irradiate the entire scar. Nociceptive activity of keloid scars is decreased. Irradiate in combination with surgical treatment. As a preventive treatment, irradiate persons with keloid forming tendencies. The older the scar, the longer the treatment. Irradiation decreases coloration of older scars. (304)





48 CICATRIX RECENS (1)

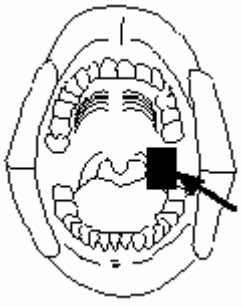
Program	L-0307 cicatrix recens (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	daily - 3x per week
Number of treatments	5 - 15
Note	Irradiate the entire scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts it is advisable to irradiate the planned area 2 - 3 days in advance, or during the actual surgery. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and also reduces infiltration, swelling and hematoma. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (305)

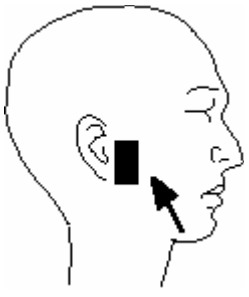
49 CICATRIX RECENS (2)

Program	L-0308 cicatrix recens (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily - 3x per week
Number of treatments	5 - 15
Note	Irradiate the entire scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts it is advisable to irradiate the planned area 2 - 3 days in advance, or during the actual surgery. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and also reduces infiltration, swelling and hematoma. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (306)

50 CONTUSIO

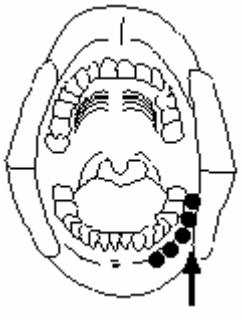
Program	L-0309 contusio
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2
Number of treatments	until disappearance
Note	Joint contusion is accompanied by a limitation of mouth opening and swelling above the joint. Irradiate to decrease pain and edema, and to absorb the hematoma. Use 8.0 Hz anti-edema frequency. (307)





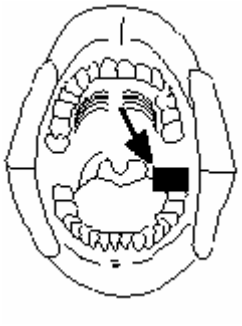
51 DECUBITUS

Program	L-0310 decubitus
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	min. 1 - 2
Note	Laser therapy has an analgesic and healing effect. Chronic disease: daily irradiation is recommended. (308)



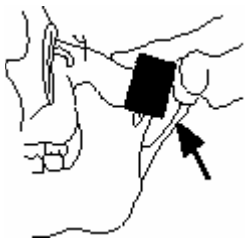
52 DENTITIO DIFFICIL.-ANALGIA

Program	L-0311 dentitio difficil.-analgia
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily - 5x per week
Number of treatments	min. 2 - 3, max. 10 - 15
Note	This condition is accompanied by considerable pain and difficulty in opening the mouth. Correct diagnosis and prognosis of the tooth, and the corresponding surgical therapy is very important. Laser therapy improves the ability to open the mouth, and reduces swelling which enables better surgical treatment. Induces analgesic, anti-edematous and healing effect. (309)



53 FRACTURA – ANALGIA

Program	L-0312 fractura – analgia
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3x per week
Number of treatments	7
Note	If blood supply to the fragment has not been damaged, the fragment is repositioned and fixed in situ. Apply irradiation to the break site (alveolar bone, jaw joint). (310)

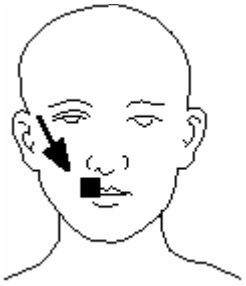


54 GINGIVITIS

Program	L-0313 gingivitis
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Number of treatments	2 - 4
Note	Irradiate 2 – 4x daily for 2 days prior to cleaning in order to reduce gingival sensitivity; then remove harmful substances and irradiate again after cleaning. Irradiate each papilla. Laser therapy has a bactericidal effect on micro flora, reduces inflammatory reaction, and improves local as well as total immunity response of the organism. (311)

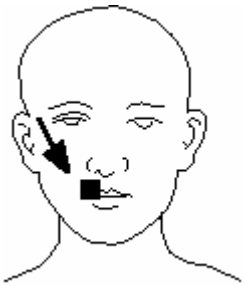
55 HERPES (1)

Program	L-0314 herpes (1)
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Frequency of treatments	daily – every other day
Number of treatments	3 - 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (312)



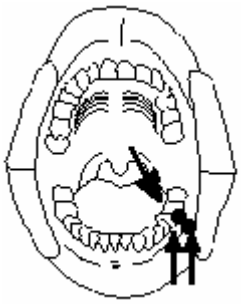
56 HERPES (2)

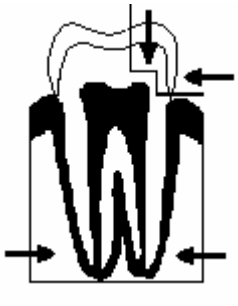
Program	L-0315 herpes (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Frequency of treatments	daily – every other day
Number of treatments	3 - 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (313)



57 HYPERAEMIA PULPAE

Program	L-0316 hyperaemia pulpae
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 3.5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	min. 1
Note	Hastens lymphatic drainage in the apical area, and reduces edema and hyperemia in the pulp. Laser therapy has an analgesic effect, and stimulates odontroblasts to form tertiary dentine. (314)



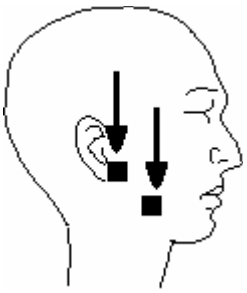


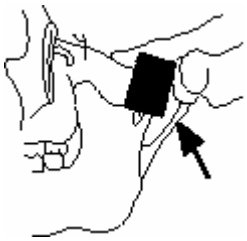
58 HYPERSENSIBILITAS DENTINALIS

Program	L-0317 hypersensibilitas dentinalis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	every other day (daily)
Number of treatments	1 - 10
Note	Irradiate the labial side and oral side of the affected. Laser therapy has an analgesic effect. Fluorine-based medicaments can also be applied. Laser therapy is nearly 100% successful. (315)

59 MORBUS TEMPOROMANDIBULARE

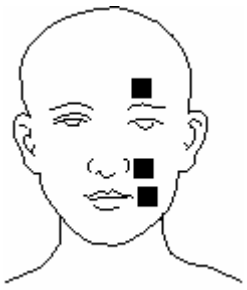
Program	L-0318 morbus temporomandibulare
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 - 3
Number of treatments	10
Note	Accurately diagnose the status of the TMJ. TMJ contusion: Density: 2 - 4 J/cm2. 3 treatments per week until symptoms disappear. Decreases pain, edema, and hastens absorption of hematoma. TMJ-PDS (Pain dysfunction syndrome) is a long-term and difficult treatment. Combine laser therapy with traditional medical treatment. Irradiation decreases pain. Irradiate the ear in front of the tragus and below it, from the outer auditory canal to the head of the joint. Density: 2 J/cm2. Apply to painful areas of the masseter. If there is a TMJ contusion, apply density of 5 - 6 J/cm2 to the joint. Laser therapy has an analgesic effect. Acute problems can be treated in a short time, but treatment of chronic diseases can take a months. Laser therapy and thermotherapy can be used in combination. Another thermotherapy may be applied simultaneously. (316)

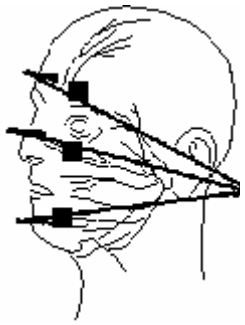




60 NEURALGIA NERVI TRIGEMINI

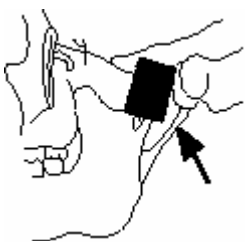
Program	L-0319 neuralgia nervi trigemini
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3
Number of treatments	6 - 10
Note	Exact diagnosis is very important. Having eliminated the cause, apply directly to trigeminal outlets (safeguard against vision damagesignificant improvement happens in the 1st phase of treatment. Idiopathic neuralgia sometimes recurs. Secondary neuralgia seldom recurs. Watch out for a regressive effect. (317)





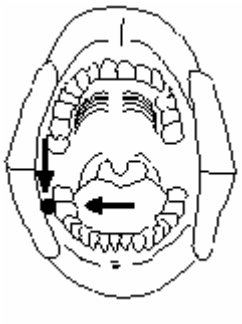
61 PARODONTOTIS

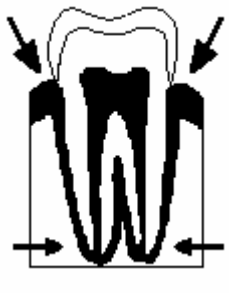
Program	L-0320 parodontotis
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Number of treatments	varies
Note	Parodontitis is the result of uncontrolled gingivitis. Laser therapy has a bactericidal effect on pathogenic micro flora and reduces inflammatory reaction. Reduces gingiva inflammation and pain, enabling better dental hygiene. Stops or reduces formation of pus. Improves or removes pseudo-periodontal pockets. Decreases sensitivity to chewing. If surgery is required, laser therapy decreases pain and hastens the healing process. (318)



62 PERIODONTITIS

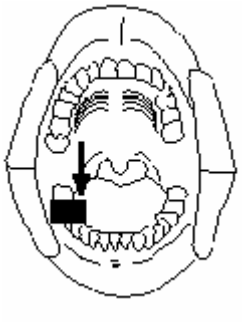
Program	L-0321 periodontitis
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	1 - 5
Note	Recommended procedure:. Irradiate the root tip and canals until exudation stops and the tooth is less painful to tap. After filling the canals, irradiate the root tip. Laser therapy has an analgesic, healing and anti-inflammatory effect. Reduces: gum inflammation and bleeding during surgery. Reduces pus in deep periodontal pockets. (319)

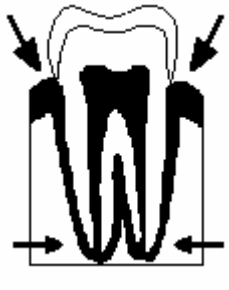




63 POSTEXTRACTIO

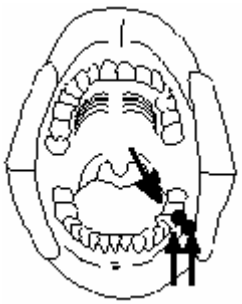
Program	L-0322 postextractio
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1
Number of treatments	1
Note	Laser therapy is recommended as a preventive measure against post-extraction complications. Application:. Prior to extraction, irradiate mucosa above the tooth roots. Density: 2 J/cm2. Place the probe in the tooth bed after an extraction. Density: 2 - 4 J/cm2. Irradiate around the tooth gap. Density: 2 - 4 J/cm2. Laser therapy has analgesic effect, is anti-inflammatory, and hastens healing. Supports microcirculation and hastens delivery of trombocytes to the bleeding alveoli. (320)

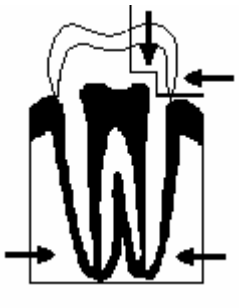




64 PREPARATIO

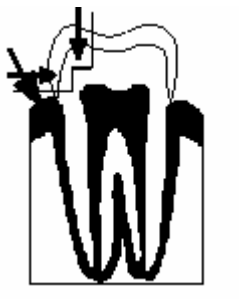
Program	L-0323 preparatio
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	min. 1
Note	Irradiate cavity and apex of tooth:. Prior to surgery. Prior to filling. Results visible after 1st application. Laser therapy has an analgesic effect and helps odontoblast rehabilitation. Irradiate pillars one time after preparation. (321)





65 PULPA APERTA

Program	L-0324 pulpa aperta
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 3.5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	min. 1
Note	Treatment consists of covering the injured pulp with Ca(OH) based medicaments and laser irradiation. Not recommended for teeth planned for prosthesis. Laser therapy can disguise the actual status of the tooth pulp, which if unnoticed under the prosthesis and the tooth pulp may become chronic pulpitis. (322)

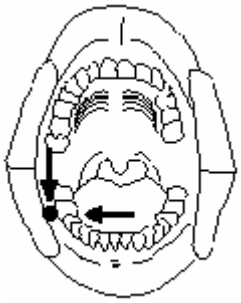


66 PULPITIS

Program	L-0325 pulpitis
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	2 - 5
Note	Irradiate the tip of the tooth root. Laser therapy has an analgesic effect. Increases the level of endorphin at synapses, supports lymphatic draining and reduces edema within the pulp. If needed, irradiation can be applied after the treatment, with the same density as used earlier. Anti-inflammatory effect of the laser positively affects the remains of the living pulp within the tooth apex, which reduces pain. Laser therapy cannot affect the course of acute or chronic pulpitis, but pain will be significantly reduced. (323)

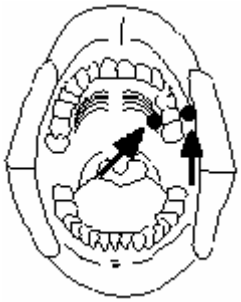
67 SANATIO POSTOPERAT.

Program	L-0326 sanatio postoperat.
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – every other day
Number of treatments	2 - 5
Note	Hastens healing of the wound. Improves blood supply. Reduces complications. Recommended procedure:. Irradiate mucosa above the apex of the tooth indicated for extraction, or above the location of the surgery. Density: 2 J/cm2. Irradiate alveoli of the extracted tooth. Density: 4 J/cm2. Irradiate rim of the alveoli or suture. Density: 2 J/cm2. The lymphatic gland can also be irradiated at 2 J/cm2 or the temporomandibular joint at 5 - 6 J/cm2. For swelling of hematoma, irradiate at 2 - 4 J/cm2. Positive effects are usually visible after the second therapy. Laser therapy has analgesic, anti-inflammatory, bio-stimulatory and anti-edema effect. (324)



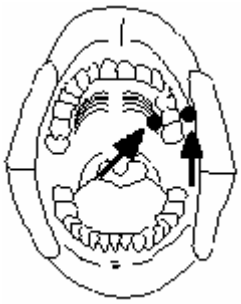
68 ANALGIA - HAEMATOM (INTRAORALIS)

Program	L-0327 analgia - haematom (intraoralis)
Therapy parameters	Dosage: 4.5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	at least 1
Number of treatments	at least 1 (535)



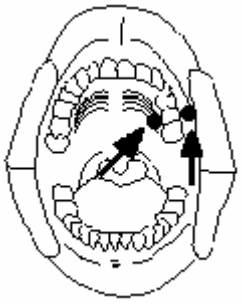
69 ANALGIA - HAEMATOM (EXTRAORALIS)

Program	L-0328 analgia - haematom (extraoralis)
Therapy parameters	Dosage: 5.5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	at least 1
Number of treatments	at least 1 (536)



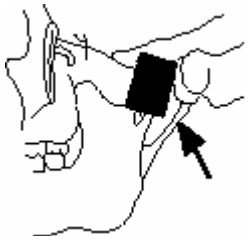
70 ANALGIA - INJURED NERVE

Program	L-0329 analgia - injured nerve
Therapy parameters	Dosage: 5.5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	at least 1
Number of treatments	at least 1
	(537)



71 FRACTURA – ANALGIA

Program	L-0330 fractura – analgia
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3x per week
Number of treatments	7
Note	If blood supply to the fragment has not been damaged, the fragment is repositioned and fixed in situ. Apply irradiation to the fracture site. (538)

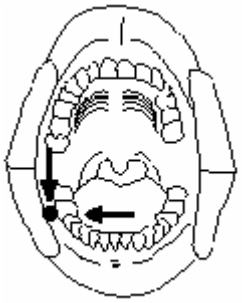


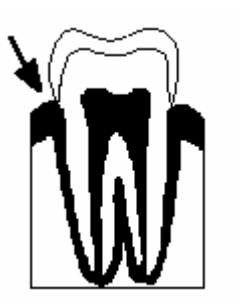
72 PARODONTOTIS (SUPPURATIVE GINGIVITIS)

Program	L-0331 parodontotis (suppurative gingivitis)
Therapy parameters	Dosage: 2.5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily (539)

73 PARODONTOTIS (DEEP PERIODONTAL POCKET)

Program	L-0332 parodontotis (deep periodontal pocket)
Therapy parameters	Dosage: 6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Note	Parodontitis is the result of uncontrolled gingivitis. Laser therapy has a bactericidal effect on pathogenic micro flora and reduces inflammatory reaction. Reduces gingiva inflammation and pain, enabling better dental hygiene. Stops or reduces formation of pus. Improves or removes pseudo-periodontal pockets (tartar is then better visible and can be easily removed). Decreases sensitivity to chewing. If surgery is required, laser therapy decreases pain and hastens the healing process. (540)



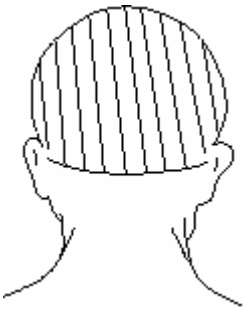


74 ACNE

Program	L-0400 acne
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 - 2
Number of treatments	varies
Note	Irradiate the affected surface. After 2 - 4 irradiation sessions, skin condition improves, fibroblast stimulation occurs, colagen production increases, and pustules dry out after several irradiation sessions. Improvement occurs after several sessions. Irradiation effect is temporary for hormonal disorders. Acne juvenilis: Laser therapy favourably affects microcirculation, creates defensive antiseptic elements, and helps prevent permanent scars. Acne vulgaris: Begin irradiation around the edges of the focus, and work towards the center.. (326)

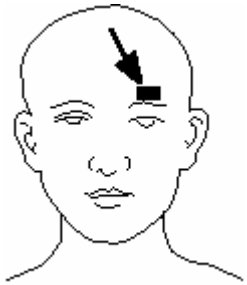
75 ALOPECIA (DEFLUVIUM CAPILLORUM)

Program	L-0401 alopecia (defluvium capillorum)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2
Number of treatments	varies
Note	Irradiate scalp where hair is parted. Continue, section by section, until entire scalp has been treated. Total length of application should not exceed 10 minutes per day. Hair stops falling during the first 2-3 weeks and hair growth improves in 8-12 weeks. Irradiation of the scalp improves blood supply to and nutrition of the hair follicle. With androgen alopecies, progression of the condition significantly declines. (327)



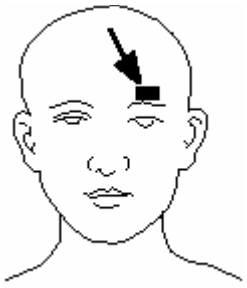
76 CICATRIX CHELOIDUM

Program	L-0402 cicatrix cheloidum
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	10 – 15 (40)
Note	Irradiate the whole scar. Nociceptive activity of keloid scars decreases. Irradiate in combination with surgical treatment. As a preventive treatment, irradiate persons with keloid forming tendencies. The older the scar, the longer the treatment. Irradiation decreases coloration of older scars. (328)



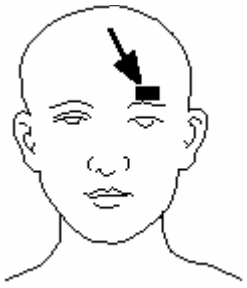
77 CICATRIX RECENS (1)

Program	L-0403 cicatrix recens (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and reduces infiltration, swelling and haematoma. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (329)



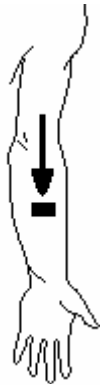
78 CICATRIX RECENS (2)

Program	L-0404 cicatrix recens (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and reduces infiltration, swelling and haematoma. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (330)



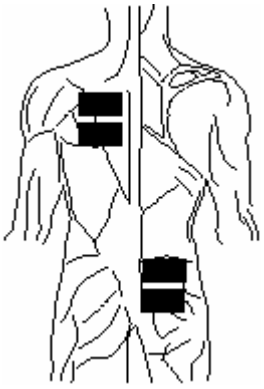
79 COMBUSTIO

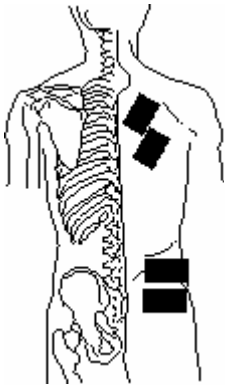
Program	L-0405 combustio
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	15
Note	Irradiation eliminates infection, enhances granulation and epithelialization, reduces scarring, and prevents keloids from forming. Begin irradiation around the edges of the burn, and work towards the center. Treat the burn medically at the same time. Irradiation hastens division of basal cells, which is doubled or tripled. In addition, it reduces capillary hemorrhaging. Laser therapy supports formation of vessels, lymphatic circulation, and decreases pain. (331)



80 DECUBITUS

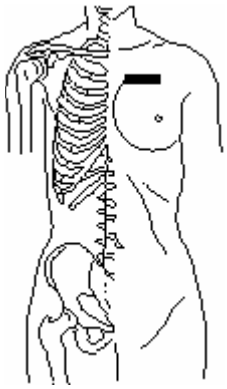
Program	L-0406 decubitus
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	min. 1 – 2
Note	Laser therapy has an analgesic and healing effect. Daily irradiation is recommended for chronic conditions. (332)





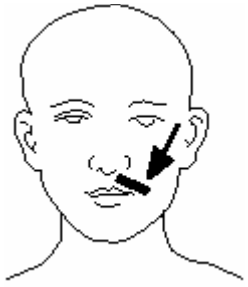
81 DERMATITIS

Program	L-0407 dermatitis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	varies
Note	Laser therapy applied at an acute stage (swollen and itchy skin) can have an anti-pruriginous effect, allowing treatment with sedatives to be decreased or eliminated. Reduces inflammation. Can be also used for dermatitis that is therapeutically resistant to classical treatment methods. (333)



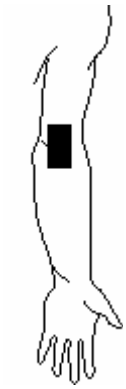
82 DERMATITIS PERIORALIS

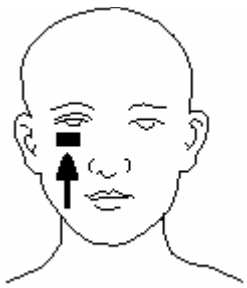
Program	L-0408 dermatitis perioralis
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 – 2
Number of treatments	4 – 8 weeks
Note	This condition is a form of rosacea. Patients are advised to avoid direct sunlight. Irradiate affected area. Immediately following treatment, skin becomes redder, but the condition improves rapidly after several hours. Positive effects usually last 1-2 years. (334)



83 ECZEMA

Program	L-0409 eczema
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 – 2x per week
Number of treatments	varies
Note	Causal factors must be eliminated in order to prevent recurrence. Periodic eczema, usually associated with colds and infections in winter months, with eruptions usually on the face, neck, etc. Application: low intensity, low density, freq. 2-5 Hz. Chronic eczema (that can affect the patient psychically as well as physically). Application: lower density, higher frequency. Apply to pruriginous areas. Chronic lichenous skin changes type without acute exacerbation. Application: high intensity, higher frequency. (335)



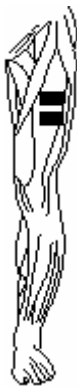


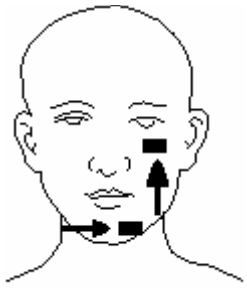
84 FURUNCULUS

Program	L-0410 furunculus
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	varies
Note	Irradiate affected areas. (336)

85 HAEMATOMA

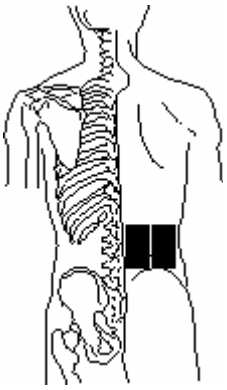
Program	L-0411 haematoma
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	5
Number of treatments	3 – 10
Note	Acute haematoma. Application: frequency 6 Hz, density 3 J/cm2. Post-injury haematoma. Application: frequency 8 Hz, density 1 J/cm2. Suture haematoma. Application: frequency 5-10 Hz; density 0.9-1 J/cm2 (if very painful, 1-4 J/cm2). Irradiate around the suture. (337)

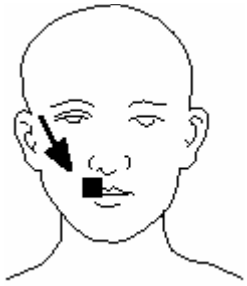




86 HERPES (1)

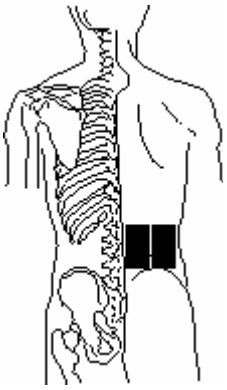
Program	L-0412 herpes (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red / infrared
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (338)

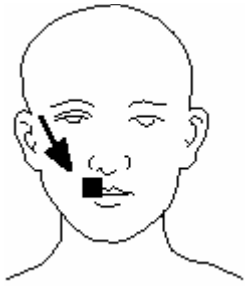




87 HERPES (2)

Program	L-0413 herpes (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (339)



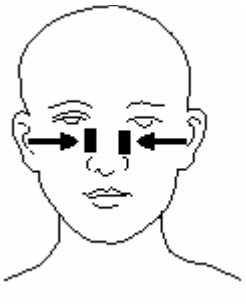


88 LICHEN PLANUS

Program	L-0414 lichen planus
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Number of treatments	varies
Note	Laser therapy quickly relieves itching and decreases the area of lichen. Given the various forms and types, parameters must be set according to patient reaction. Lichen ruber planus: density of 2-3 J/cm2, irradiate until the lichen disappears. (340)

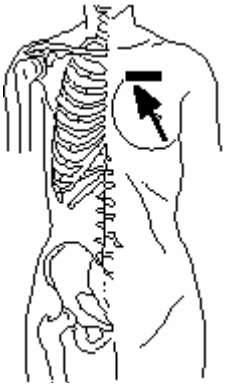
89 ROSACEA

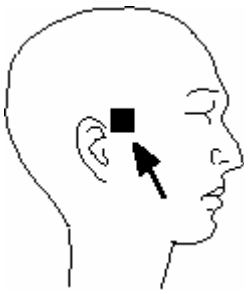
Program	L-0415 rosacea
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	varies
Note	There are several forms of rosacea -- from occasional red to purely pustular form. (341)



90 SANATIO POSTOPERATIVA

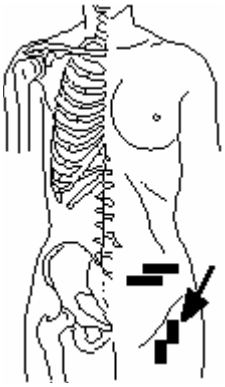
Program	L-0416 sanatio postoperativa
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 – 2
Number of treatments	1 – 4
Note	Accelerates healing of wounds. Improves blood supply. (342)





91 STRIAE

Program	L-0417 striae
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	20 – 30
Note	The sooner the treatment starts the better the result is. In neglected cases, therapy can last up to 100 sessions. (343)



92 ULCUS CRURIS (1)

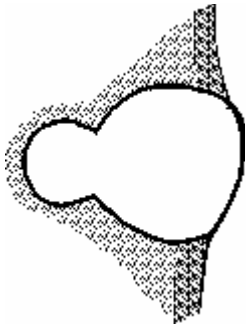
Program	L-0418 ulcus cruris (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	2 – 3 (daily)
Number of treatments	8 – 20
Note	Excellent clinical effect. During 1st part of therapy, use continuous mode with higher power. During 2nd part of therapy, use modulated frequency with lower power. If the parameters are well-selected, a formerly unhealable condition can be completely cured. Ulcus cruris varicosum: Irradiate daily for the first few sessions, then 2 or 3x a week. Irradiate at the edges of the ulcer. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (344)

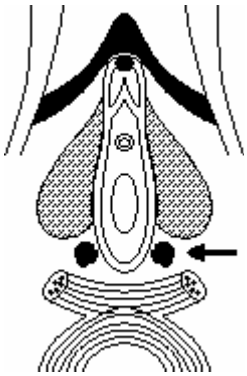
93 ULCUS CRURIS (2)

Program	L-0419 ulcus cruris (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3 (daily)
Number of treatments	8 – 20
Note	Excellent clinical effect. During 1st part of therapy, use continuous mode with higher power. During 2nd part of therapy, use modulated frequency with lower power. If the parameters are well-selected, a formerly unhealable condition can be completely cured. Ulcus cruris varicosum: Irradiate daily for the first few sessions, then 2 or 3x a week. Irradiate at the edges of the ulcer. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (345)

94 ABSCESSUS GLANDULAE BARTHOLINI

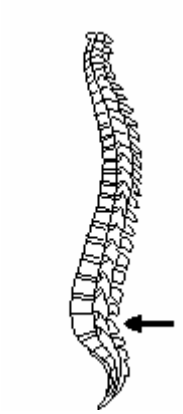
Program	L-0500 abscessus glandulae bartholini
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – every other day
Number of treatments	10
Note	At acute inflammation in the initial stage irradiate place of erythema. At chronic inflammation irradiate Bartholini`s gland duct. Laser therapy has anti-inflammation, analgesic and anti-edematous effects. (347)

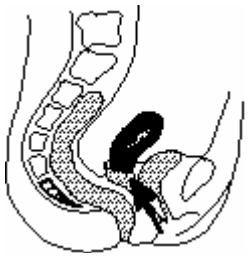




95 ALGOMENORRHOEA

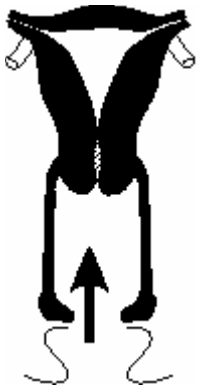
Program	L-0501 algomenorrhoea
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	1 – 3
Number of treatments	10
Note	Start irradiating one week before menstruation. Irradiate by using gynecological specula with special gynecological optical attachment. Irradiate area of parametrium and uterosacral ligaments, sacrum fossa or trigger points. Dysmenorrhei – irradiate 1 - 3 times daily and repeat in 2 - 3 menstrual cycles. (348)





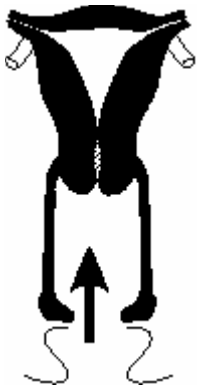
96 CERVICITIS ACUTA

Program	L-0502 cervicitis acuta
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red (349)



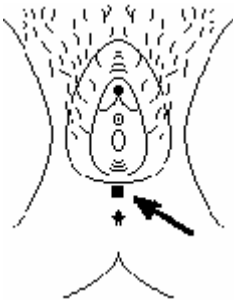
97 CERVICITIS CHRONICA

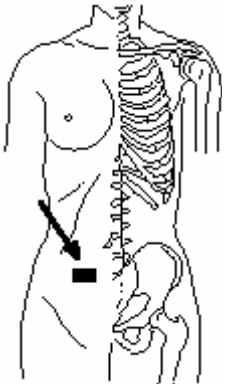
Program	L-0503 cervicitis chronica
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red (350)



98 CICATRIX CHELOIDUM

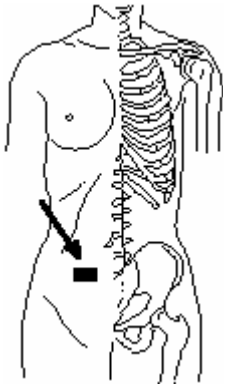
Program	L-0504 cicatrix cheloidum
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	red (351)

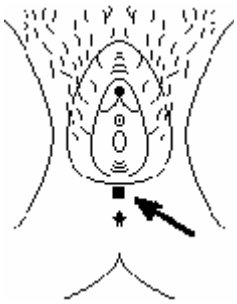




99 CICATRIX RECENS (1)

Program	L-0505 cicatrix recens (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily - 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and also reduces infiltration, swelling and haematoma. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (352)



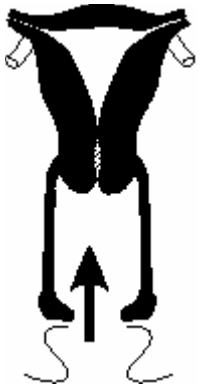


100 COLPITIS ACUTA

Program	L-0507 colpitis acuta
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	3 - 8
Note	Irradiate by maximum dilatation of gynecological specula first in horizontal and second in vertical position. (353)

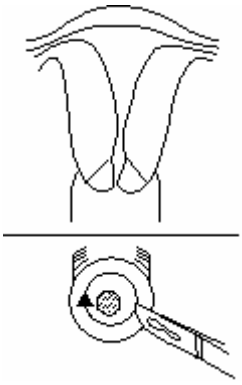
101 COLPITIS CHRONICA

Program	L-0508 colpitis chronica
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	3 - 8
Note	Irradiate by maximum dilatation of gynecological specula first in horizontal and second in vertical position. (354)



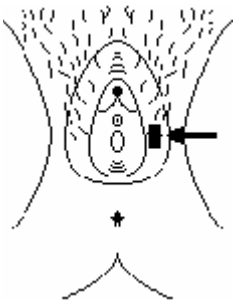
102 CONISATIO COLLI UTERI

Program	L-0509 conisatio colli uteri
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2
Number of treatments	1 - 5
Note	Malignity must be excluded prior to irradiation. One session after conization, other irradiation in the course of healing process. Laser therapy decreases exudation during post-operative days, and fastens healing effects. (355)



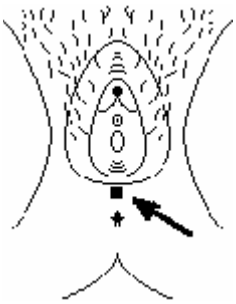
103 DYSTROPHIA VULVAE (1)

Program	L-0511 dystrophia vulvae (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1st week daily, then 2-3 per week
Number of treatments	5 – 15
Note	Directly irradiate the affected area. Laser therapy has analgesic, stimulating and anti-pruritic effect. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (356)



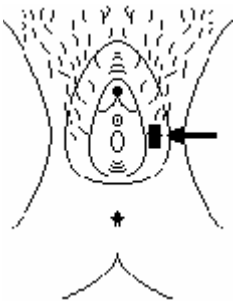
104 HAEMATOMA

Program	L-0513 haematoma
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	3 – 7
Note	Suture haematoma: apply frequency 5-10 Hz; density 0.9-1 J/cm2 (if very painful, 1-4 J/cm2). Irradiate around the suture. Laser therapy has analgesic and anti-edematous effect. Increases absorption of haematoma. (357)



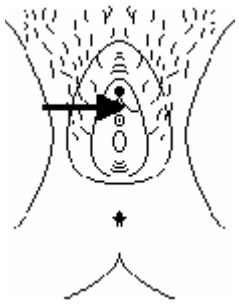
105 HERPES GENITALIS (1)

Program	L-0514 herpes genitalis (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8-12 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. In pregnancy recommend laser therapy because of contraindication of treatment with chemical drugs /acyclovir/. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (358)



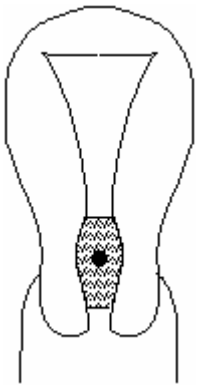
106 INCONTINENTIA URINAE

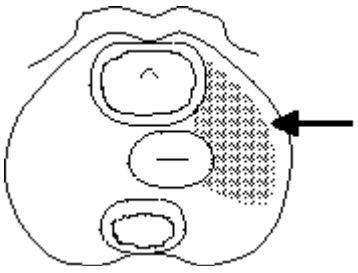
Program	L-0516 incontinentia urinae
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – every other day
Number of treatments	6 - 10
Note	Irradiate direct suture of surgical field, irradiate vagina in area of trigon urinary bladder. Density and frequency is depending on function of urinary bladder. Apply daily or each second day depending on reaction of the patient. (359)



107 PARAMETRITIS

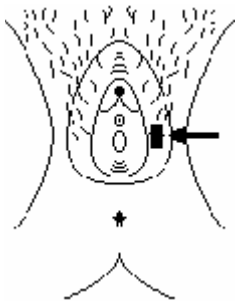
Program	L-0517 parametritis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – every other day
Number of treatments	10
Note	Inflammation around uterus and vagina has origin in infection in cervix. Laser therapy has anti-inflammation and analgesic effect. More suitable for chronic, rather than acute processes. (360)





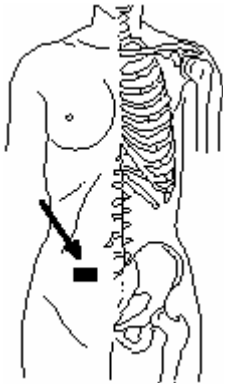
108 PRURITUS

Program	L-0518 pruritus
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1st week every day, than 2-3 per week
Number of treatments	3 – 10
Note	Irradiate all area from 1 cm distance from surface skin. Laser therapy helps to eliminate discomfort of the patient. Laser therapy has analgesic, stimulation and anti-pruritis effect. (361)



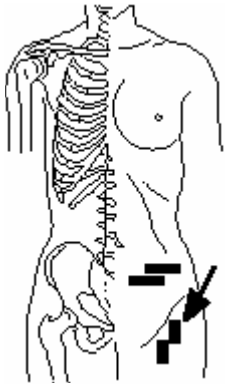
109 SANATIO POSTOPERATIVA

Program	L-0519 sanatio postoperativa
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red (362)



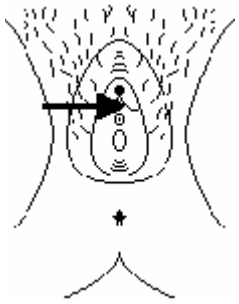
110 STRIAE

Program	L-0520 striae
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	20 – 30
Note	Results are better when started in the early stages of the condition. The older stria, the longer treatment – 100 sessions possible. (363)



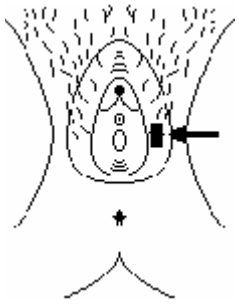
111 UROCYSTIS-IRRITABILIS

Program	L-0521 urocystis-irritabilis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – every other day
Number of treatments	6 – 12
Note	Irradiate front part of vagina with density 0.5 – 0.7 J/cm2. Combine with point irradiation of sacrum fossa with density 0.1 J/cm2. Should no considerable improvement occur within 10 sessions, it is recommended discontinue the laser therapy. (364)



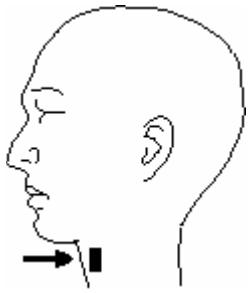
112 VULVITIS

Program	L-0522 vulvitis
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 2 - 3x per week
Number of treatments	3 - 6
Note	Irradiate affected area directly or in cavity. Apply the therapy before and after opening cavity, possibly also after drainage of pyogenic focus. 1st day apply 1 - 2 sessions, next days 2 - 3 sessions per week. (365)



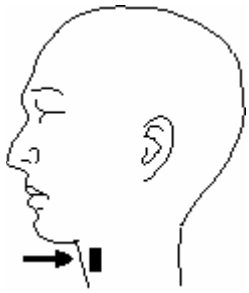
113 CICATRIX RECENS (1)

Program	L-0600 cicatrix recens (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	daily - 3x per week
Number of treatments	5 - 15
Note	Irradiate the entire scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts it is advisable to irradiate the planned area 2 - 3 days in advance, or during the actual surgery. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect; also reduces infiltration, swelling and haematoma. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (367)



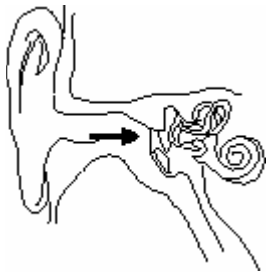
114 CICATRIX RECENS (2)

Program	L-0601 cicatrix recens (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily - 3x per week
Number of treatments	5 - 15
Note	Irradiate the entire scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts it is advisable to irradiate the planned area 2 - 3 days in advance, or during the actual surgery. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect; also reduces infiltration, swelling and haematoma. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (368)



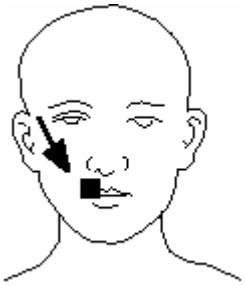
115 FURUNCULUS

Program	L-0602 furunculus
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 1.7 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	3
Number of treatments	3
Note	Irradiate affected areas. Results are better when started in the early stages of the condition. Laser treatment has an anti-inflammatory effect. (369)



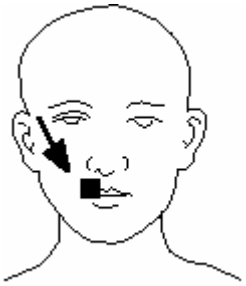
116 HERPES (1)

Program	L-0603 herpes (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	daily – every other day
Number of treatments	3 - 5
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Apply at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Apply at the edges of the lesion. A strong dose must be applied because herpes can worsen if only a stimulatory density is used. During the same therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8-12 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Laser therapy has a healing, analgesic anti-edema effect. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (370)



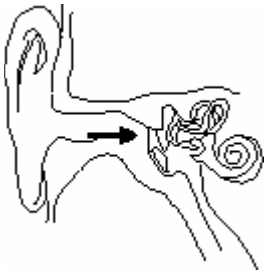
117 HERPES (2)

Program	L-0604 herpes (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	daily – every other day
Number of treatments	3 - 5
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Apply at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Apply at the edges of the lesion. A strong dose must be applied because herpes can worsen if only a stimulatory density is used. During the same therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8-12 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Laser therapy has a healing, analgesic anti-edema effect. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (371)



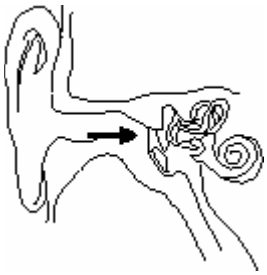
118 OTITIS MEDIA ACUTA (1)

Program	L-0605 otitis media acuta (1)
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	3
Number of treatments	3 - 5
Note	Laser treatment has an anti-inflammatory effect. Pain will stop following the first irradiation session, but begin again a few hours later. Laser therapy must be combined with antibiotics. At the beginning of laser therapy, irradiate daily or every two days. After initial treatments, increase the time duration between sessions. Apply laser light with special optical attachment. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (372)



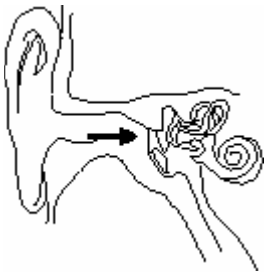
119 OTITIS MEDIA ACUTA (2)

Program	L-0606 otitis media acuta (2)
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3
Number of treatments	3 - 5
Note	Laser treatment has an anti-inflammatory effect. Pain will stop following the first irradiation session, but begin again a few hours later. Laser therapy must be combined with antibiotics. At the beginning of laser therapy, irradiate daily or every two days. After initial treatments, increase the time duration between sessions. Apply laser light with special optical attachment. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (373)



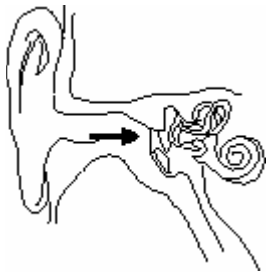
120 OTITIS MEDIA CHRONICA

Program	L-0607 otitis media chronica
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3 (daily when relapse)
Number of treatments	3 - 5
Note	Irradiate affected area. Laser treatment in combination with medical drugs has an anti-inflammatory effect. Laser therapy has an analgesic, anti-inflammatory effect, and hastens healing. Apply laser light with special optical attachment. (374)



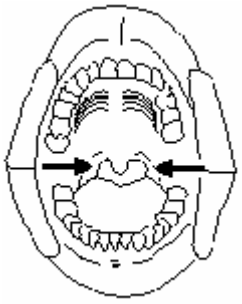
121 PERFORATIO MEMBRANAE TYMPANI TRAUMATICI

Program	L-0608 perforatio membranae tympani traumatici
Therapy parameters	Dosage: 1.6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	every other day
Number of treatments	2 - 4
Note	For non-inflamed perforation of the tympanic membrane, apply laser therapy for 5 - 7 sessions. Laser therapy has an analgesic effect. Apply laser light with special optical attachment. (375)



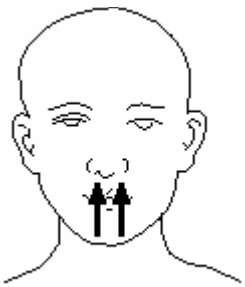
122 PHARYNGITIS

Program	L-0609 pharyngitis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	every other day
Number of treatments	5
Note	Laser therapy decreases the pain of swallowing. Irradiate the affected area where the edema is located, and where there is red inflammation around the tonsillar pillar. Also apply under both sides of the mandibular arc. Apply laser light with special optical attachment. (376)



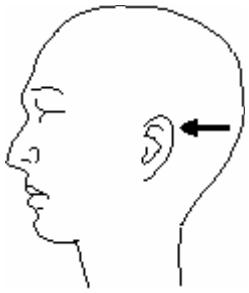
123 RHINITIS VASOMOTORICA

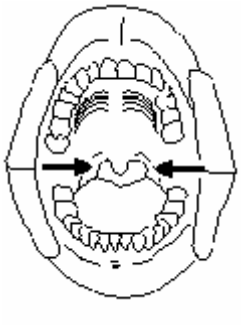
Program	L-0610 rhinitis vasomotorica
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 4.5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2
Number of treatments	3 - 10
Note	Laser therapy brings better results from a rhinoscopy by decreasing edema of the mucosa and secretion. Apply laser light with special optical attachment. (377)



124 SANATIO POSTOPERATIVA

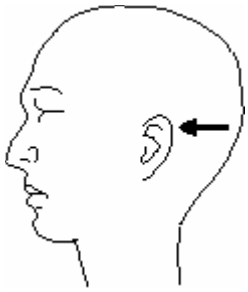
Program	L-0611 sanatio postoperativa
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	every other day
Number of treatments	3 - 5
Note	Accelerates healing of the wound. Improves blood supply. Reduces complications. Positive effects are usually visible after the second therapy. Laser therapy has an analgesic, anti-inflammatory, bio-stimulatory and anti-edema effect. Apply laser light with special optical attachment. (378)





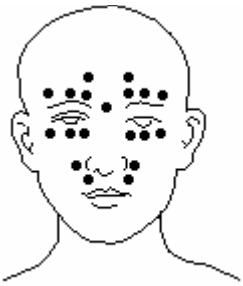
125 SANATIO POSTTREPANATIONIS

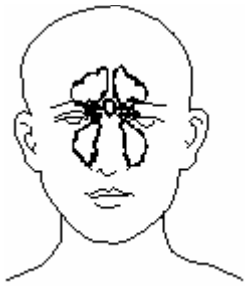
Program	L-0612 sanatio posttrepanationis
Therapy parameters	Dosage: 1.6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	every other day
Number of treatments	5 - 9
Note	Apply laser therapy after irrigation of the trepanation cavity. Laser therapy has an antiseptic effect. (379)



126 SINUSITIS ACUTA

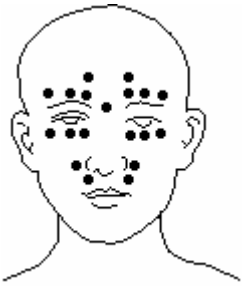
Program	L-0613 sinusitis acuta
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 - 3
Number of treatments	5 - 10
Note	For acute sinusitis, apply laser power of 5 - 6 J/cm2. Apply 4 J/cm2 on the infraorbital foramen and the remaining power on the area above the second upper molar. For persistent conditions, apply laser therapy with 10 session cycles. Laser therapy has an analgesic and anti-inflammatory effect. (380)

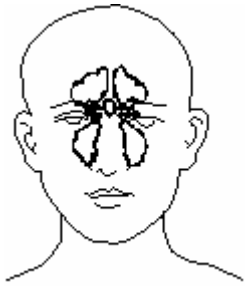




127 SINUSITIS CHRONICA

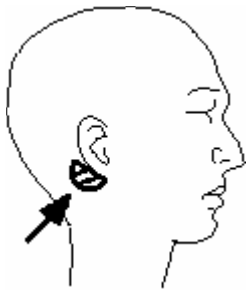
Program	L-0614 sinusitis chronica
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 - 3
Number of treatments	5 - 10
Note	For acute sinusitis, apply laser power of 5 - 6 J/cm2. Apply 4 J/cm2 on the infraorbital foramen and the remaining power on the area above the second upper molar. For persistent conditions, apply laser therapy with 10 session cycles. Laser therapy has an analgesic and anti-inflammatory effect. (381)





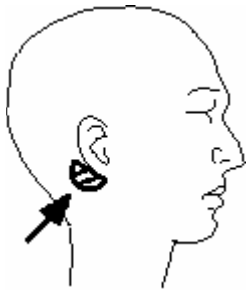
128 TINNITUS (1)

Program	L-0615 tinnitus (1)
Therapy parameters	Dosage: 10 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	1 - 2
Number of treatments	5 - 10
Note	Combine treatment with manipulative therapy of the spine. Irradiate mastoid areas. Focus laser beam in the direction of the opposite orbit. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (382)



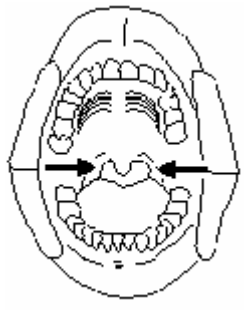
129 TINNITUS (2)

Program	L-0616 tinnitus (2)
Therapy parameters	Dosage: 10 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 - 2
Number of treatments	5 - 10
Note	Combine treatment with manipulative therapy of the spine. Irradiate mastoid areas. Focus laser beam in the direction of the opposite orbit. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (383)



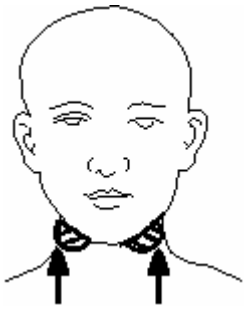
130 TONSILLECTOMIA

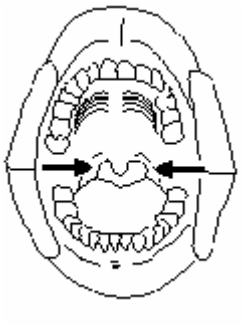
Program	L-0617 tonsillectomia
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2
Number of treatments	3
Note	Apply laser light with special optical attachment. Laser therapy has an analgesic effect and hastens healing. Watch for hematorrhea. (384)



131 TONSILLITIS

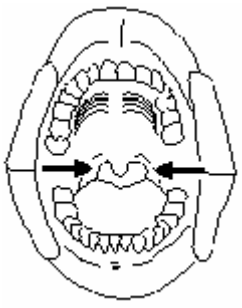
Program	L-0618 tonsillitis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	daily - 2x per week
Number of treatments	4 - 10
Note	Irradiate directly the tonsils or apply the laser light through the regio submandibularis. Indication: tonsilitis chronica et recidivans. The laser therapy reduces recurrence of the condition. For easy course of the affection use the laser therapy. The confinement to bed is recommended for the pyrexia. If there is no inflammation after 2 month, the laser therapy had a positive effect. The hyperthermia and exacerbation of the process reappeared by 5% of patients. The laser radiation is considered as the provocation test. (385)





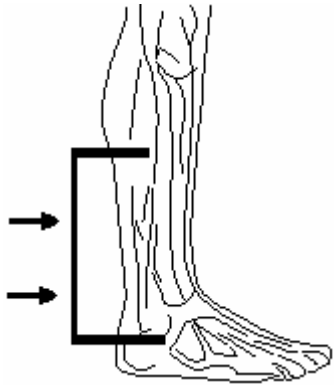
132 TONSILLOPHARYNGITIS

Program	L-0619 tonsillopharyngitis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2
Number of treatments	4 - 6
Note	Positive results occur after 2 sessions. Simultaneous tonsillitis and pharyngitis is very often recidivative and can reoccur up to 6 times a year. Laser therapy reduces recurrence to 0 - 2 times per year. Laser therapy has an anti-inflammatory effect. Apply laser light with special optical attachment. (386)



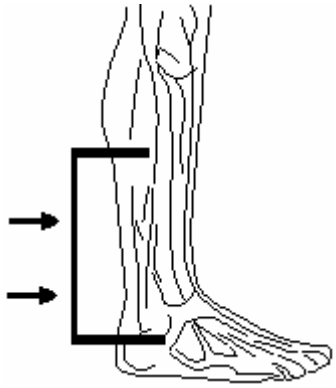
133 ACHILLODYNIA (1)

Program	L-0700 achillodynia (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states or Haglund's exostosis. Laser therapy has an analgesic, anti-edema effect, and shortens wound healing. Analgesic effect is noticeable after the first session. Acute cases (sport injuries) irradiate daily. Therapy can be combined with magnetic pulse field or ultrasound. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (388)



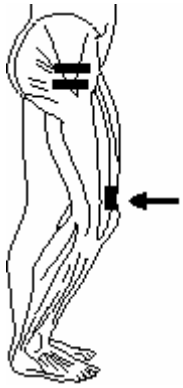
134 ACHILLODYNIA (2)

Program	L-0701 achillodynia (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states or Haglund's exostosis. Laser therapy has an analgesic, anti-edema effect, and shortens wound healing. Analgesic effect is noticeable after the first session. Acute cases (sport injuries) irradiate daily. Therapy can be combined with magnetic pulse field or ultrasound. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (389)



135 ARTHRITIS

Program	L-0702 arthritis
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.6 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3
Number of treatments	15 - 50
Note	When irradiating at early stages of the disease, morning stiffness is eliminated, and joint mobility is extended. After additional irradiation, swelling decreases and further inflammation is reduced. Laser therapy, in combination with traditional medical treatment, can prevent or stop further development of the disease without any deformation occurring. In advanced stages, laser therapy reduces swelling and pain, and has an anti-fibrotic effect. (390)



136 ARTHRITIS RHEUMATICA (1)

Program	L-0703 arthritis rheumatica (1)
Therapy parameters	Dosage: 6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2
Number of treatments	10
Note	Laser therapy can also be used for other joints affected by rheumatoid diseases. Excellent clinical effect with patients using corticoids. Dosage of corticoids can usually be lowered or eliminated altogether. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (391)

137 ARTHRITIS RHEUMATICA (2)

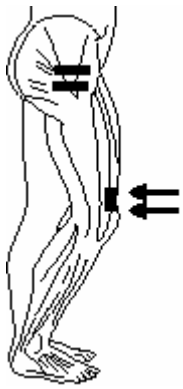
Program	L-0704 arthritis rheumatica (2)
Therapy parameters	Dosage: 6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2
Number of treatments	10
Note	Laser therapy can also be used for other joints affected by rheumatoid diseases. Excellent clinical effect with patients using corticoids. Dosage of corticoids can usually be lowered or eliminated altogether. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (392)

138 ARTHRITIS URATICA

Program	L-0705 arthritis uratica
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9 Hz Duty factor (DF): 80 %
Probe	infrared (393)

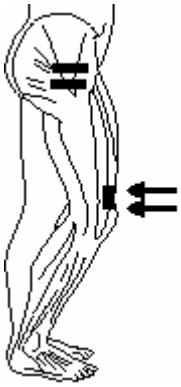
139 ARTHROSIS (1)

Program	L-0706 arthrosis (1)
Therapy parameters	Dosage: 6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 10
Note	Irradiate affected joint structure (Laser acupuncture can be used for trigger and acupuncture points, hyperalgesic zones, paravertebral points, as well as acupuncture points on the ear. Density: 1-3 J/cm2). Acute pain: Use continuous mode and 5 Hz frequency in the same therapy session. Chronic pain: Use 10 Hz frequency. Laser therapy has an analgesic effect, and with rheumatism, an anti-inflammatory effect. Local application of non-steroid, anti-rheumatoid drugs are sometimes recommended. Clinical effect is best with smaller joints, such as in the hand or wrist. Treat deeply placed joints or joints of obese patients with higher density. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (394)



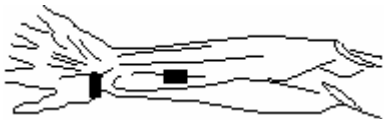
140 ARTHROSIS (2)

Program	L-0707 arthrosis (2)
Therapy parameters	Dosage: 6 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 10
Note	Irradiate affected joint structure (Laser acupuncture can be used for trigger and acupuncture points, hyperalgesic zones, paravertebral points, as well as acupuncture points on the ear. Density: 1-3 J/cm2). Acute pain: Use continuous mode and 5 Hz frequency in the same therapy session. Chronic pain: Use 10 Hz frequency. Laser therapy has an analgesic effect, and with rheumatism, an anti-inflammatory effect. Local application of non-steroid, anti-rheumatoid drugs are sometimes recommended. Clinical effect is best with smaller joints, such as in the hand or wrist. Treat deeply placed joints or joints of obese patients with higher density. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (395)



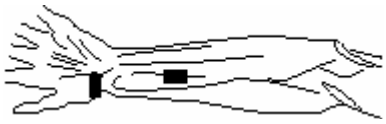
141 BURSITIS (1)

Program	L-0708 bursitis (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	4 – 16
Note	Irradiate the affected area. Laser therapy has an analgesic, anti-edema effect. Acute cases: irradiate daily. Combining the treatment with ultrasound is recommended. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (396)



142 BURSITIS (2)

Program	L-0709 bursitis (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	4 – 16
Note	Irradiate the affected area. Laser therapy has an analgesic, anti-edema effect. Acute cases: irradiate daily. Combining the treatment with ultrasound is recommended. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (397)



143 CALCAR CALCANEI (1)

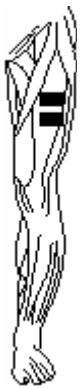
Program	L-0710 calcar calcanei (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (398)

144 CALCAR CALCANEI (2)

Program	L-0711 calcar calcanei (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared (399)

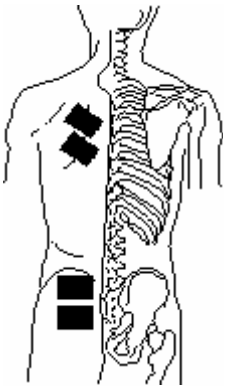
145 CONTUSIO

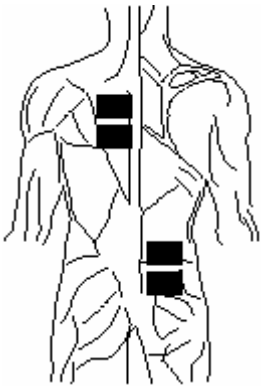
Program	L-0712 contusio
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	5
Number of treatments	5 – 10
Note	Irradiate as soon as possible after injury, which hastens analgesic effect, prevents edema. When irradiation is applied immediately after injury, use density of 1.0 J/cm2. Irradiate to decrease pain, edema and to absorb a hematoma. Use 8 Hz anti-edema frequency. (400)



146 DECUBITUS

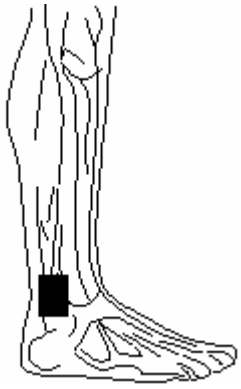
Program	L-0713 decubitus
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	min. 1 – 2
Note	Laser therapy has an analgesic and healing effect. Chronic disease: daily irradiation is recommended. (401)





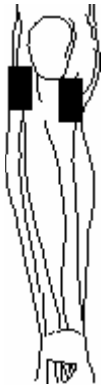
147 DISTORSIO

Program	L-0714 distorsio
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	5 - 10
Note	Apply laser therapy as soon as possible. Laser therapy has a quick analgesic effect, prevents edema development, and hastens absorption of hematoma. 8 Hz frequency can be sometimes chosen for its anti-edema effect. Immediately after the injury, a density of 1 J/cm2 is sufficient. The analgesic effect should not be a reason to leave out fixation. (402)



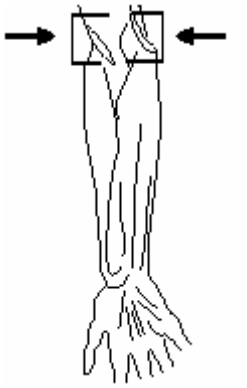
148 ENTHESOPATHIA

Program	L-0715 enthesopathia
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	5 – 10
Note	Laser therapy has an analgesic effect. Irradiate affected area. (403)



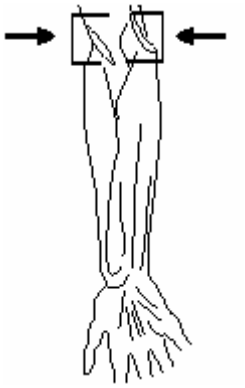
149 EPICONDYLITIS (1)

Program	L-0716 epicondylitis (1)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	10 (min. 6)
Note	Combine continuous and pulse beam. Laser therapy has an analgesic and anti-phlogistic effect. Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy. Sufficient laser power is necessary. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (404)



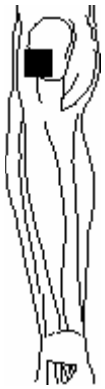
150 EPICONDYLITIS (2)

Program	L-0717 epicondylitis (2)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	10 (min. 6)
Note	Combine continuous and pulse beam. Laser therapy has an analgesic and anti-phlogistic effect. Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy. Sufficient laser power is necessary. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (405)



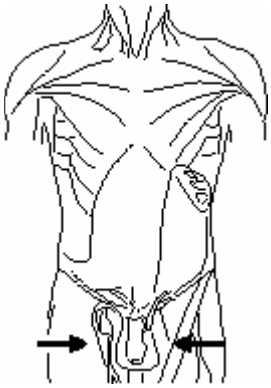
151 CHONDROPATHIA PATELAE

Program	L-0718 chondropathia patelae
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	varies
Number of treatments	6 – 8
Note	Irradiate the affected areas. (406)



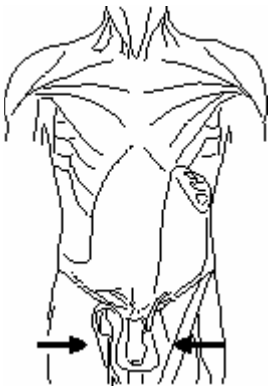
152 INDURATIO PENIS PLASTICA (1)

Program	L-0719 induratio penis plastica (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 – 6 therapies. Apply continuous mode combined with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and an antiphlogistic effect. Therapy relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (407)



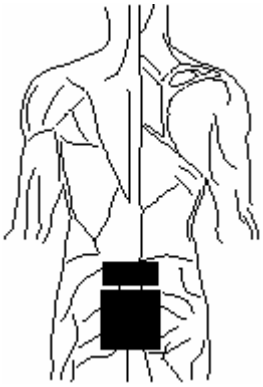
153 INDURATIO PENIS PLASTICA (2)

Program	L-0720 induratio penis plastica (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 – 6 therapies. Apply continuous mode combined with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and an antiphlogistic effect. Therapy relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (408)



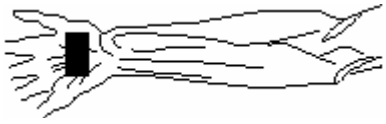
154 ISCHIALGIA

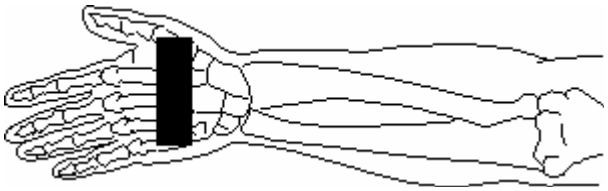
Program	L-0721 ischialgia
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	4
Number of treatments	12
Note	Irradiate at location of ischialgia, L4 - L5 or L5 - S1. Irradiate along the nerve and painful points of the paravertebral muscles, Valleix points along the whole nerve, homo-laterally and contra-laterally. (409)



155 MORBUS DUPUYTRENE (1)

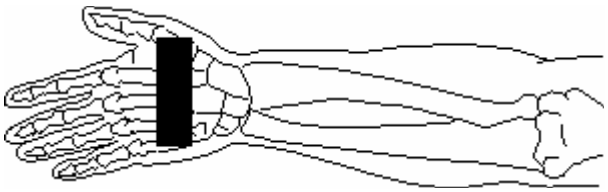
Program	L-0722 morbus dupuytrene (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 or 6 therapy sessions. Combine continuous mode with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and antiphlogistic effect. Relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (410)





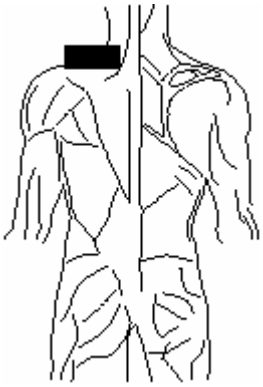
156 MORBUS DUPUYTRENE (2)

Program	L-0723 morbus dupuytrene (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 or 6 therapy sessions. Combine continuous mode with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and antiphlogistic effect. Relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (411)



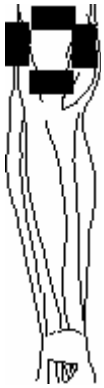
157 MYORELAXATIO

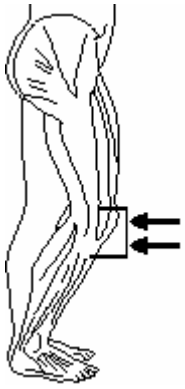
Program	L-0724 myorelaxatio
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	5 (min. 2 - 3)
Note	Laser therapy has an analgesic effect, and causes myorelaxation and edema regression. Results occur after the first treatment. Apply to the area of the muscle contracture. (412)



158 OEDEMA

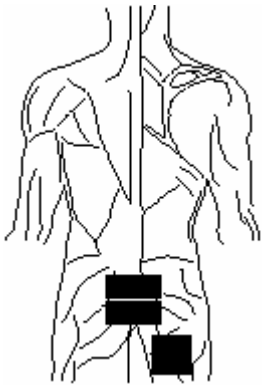
Program	L-0725 oedema
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2.4 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3 – 5
Number of treatments	5 – 15
Note	Irradiate the affected areas. (413)





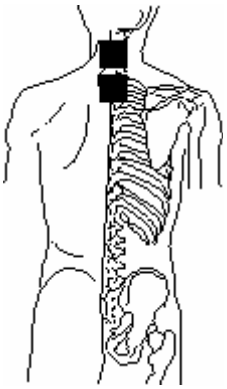
159 SACRALGIA

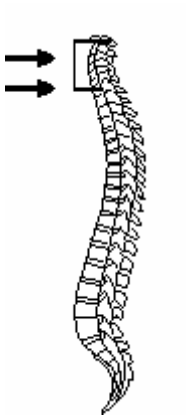
Program	L-0726 sacralgia
Therapy parameters	Dosage: 10 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3
Number of treatments	12
Note	Irradiate lumbo-sacral joints, from upper to lower spine, also contra-laterally to the sacro-iliac. Use laser prior to manipulation therapy on the blockage. (414)



160 SPINA DORSALIS (DORSALGIA) (1)

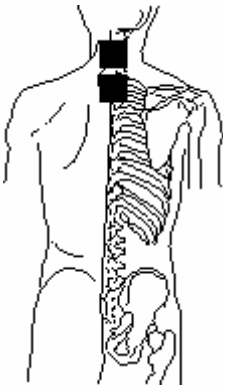
Program	L-0727 spina dorsalis (dorsalgia) (1)
Therapy parameters	Dosage: 9 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	daily
Number of treatments	6 – 10 (minimum of 5)
Note	Laser therapy has an analgesic effect and myorelaxation. Analgesic effect results occur after first procedure. For acute pain, provide laser therapy daily. Sometimes combined with magnetic pulse field. Irradiate the part of spine that is affected. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (415)

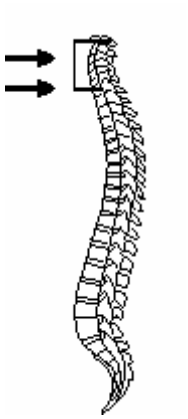




161 SPINA DORSALIS (DORSALGIA) (2)

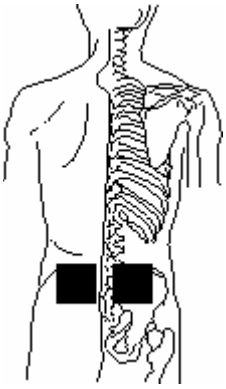
Program	L-0728 spina dorsalis (dorsalgia) (2)
Therapy parameters	Dosage: 9 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	6 – 10 (minimum of 5)
Note	Laser therapy has an analgesic effect and myorelaxation. Analgesic effect results occur after first procedure. For acute pain, provide laser therapy daily. Sometimes combined with magnetic pulse field. Irradiate the part of spine that is affected. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (416)





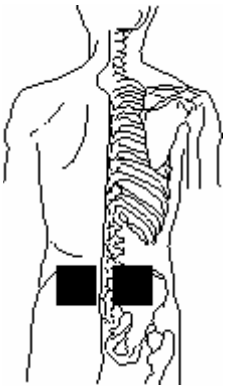
162 SPONDYLARTHRITIS ANCYLOPOETICA (1)

Program	L-0729 spondylarthritis ancylopoetica (1)
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	varies
Number of treatments	6 – 8
Note	Acute pain: irradiate area of the affected joint. Use continuous mode and frequency of 10 Hz for pain; if there is no pain, use continuous mode at 5 Hz. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (417)



163 SPONDYLARTHRITIS ANCYLOPOETICA (2)

Program	L-0730 spondylarthritis ancylopoetica (2)
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	varies
Number of treatments	6 – 8
Note	Acute pain: irradiate area of the affected joint. Use continuous mode and frequency of 10 Hz for pain; if there is no pain, use continuous mode at 5 Hz. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (418)



164 SY. CANALI CARPI

Program	L-0731 sy. canali carpi
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2
Number of treatments	5 – 8
Note	Apply laser therapy in the initial stages of the condition. Irradiate the annular ligament of the wrist. Laser therapy does not eliminate the cause, but it is a decompression radiation with an anti-inflammatory effect. Irradiate for anti-inflammatory effect prior to and post surgery. It is beneficial to use both analgesic frequency and the anti-edema frequency in the same therapy session. Important to diagnose the degree of the affection according to an EMG. (419)

165 SY. TIETZ (1)

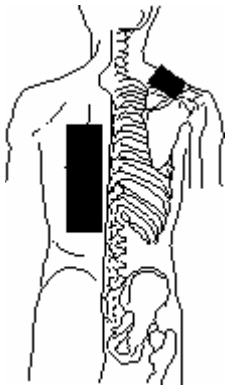
Program	L-0732 sy. tietz (1)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	5 – 10
Note	Laser therapy has an excellent clinical effect. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (420)

166 SY. TIETZ (2)

Program	L-0733 sy. tietz (2)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	5 – 10
Note	Laser therapy has an excellent clinical effect. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (421)

167 SY. VERTEBRALIS

Program	L-0734 sy. vertebralis
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	5 - 10
Note	Irradiate only the points where myogeloses occurs. Laser therapy has an analgesic and myorelaxation effect. Laser therapy as pre-medication has good results before using myoskeletal treatment. (422)



168 TENDOPATHIA (1)

Program	L-0735 tendopathia (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states. Laser therapy has an analgesic, anti-edema effect and hastens healing. Analgesic effect is obvious after first therapy session. Acute cases: irradiate daily. Sometimes combined with a magnetic pulse field. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (423)

169 TENDOPATHIA (2)

Program	L-0736 tendopathia (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states. Laser therapy has an analgesic, anti-edema effect and hastens healing. Analgesic effect is obvious after first therapy session. Acute cases: irradiate daily. Sometimes combined with a magnetic pulse field. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (424)

170 TENDOVAGINITIS (1)

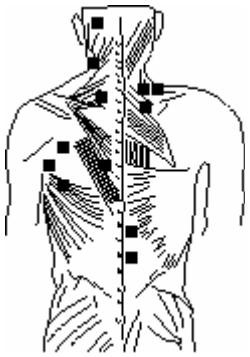
Program	L-0737 tendovaginitis (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states. Laser therapy has an analgesic, anti-edema effect and hastens healing. Analgesic effect is obvious after first therapy session. Acute cases: irradiate daily. Sometimes combined with a magnetic pulse field. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (425)

171 TENDOVAGINITIS (2)

Program	L-0738 tendovaginitis (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states. Laser therapy has an analgesic, anti-edema effect and hastens healing. Analgesic effect is obvious after first therapy session. Acute cases: irradiate daily. Sometimes combined with a magnetic pulse field. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (426)

172 ANALGIA

Program	L-0800 analgia
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	varies
Note	Irradiate trigger points. (428)



173 CALCAR CALCANEI (1)

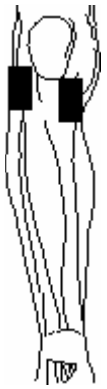
Program	L-0801 calcar calcanei (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (429)

174 CALCAR CALCANEI (2)

Program	L-0802 calcar calcanei (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared (430)

175 ENTHESOPATHIA

Program	L-0803 enthesopathia
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	5 – 10
Note	Laser therapy has an analgesic effect. Irradiate affected area. (431)

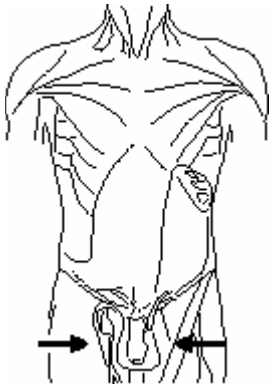


176 INDURATIO PENIS PLASTICA (1)

Program	L-0804 induratio penis plastica (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 – 6 therapies. Apply continuous mode combined with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and an antiphlogistic effect. Therapy relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (432)

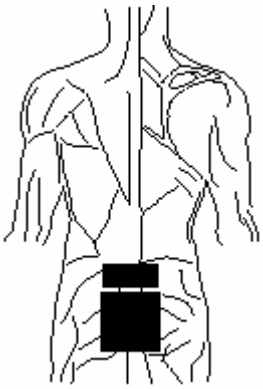
177 INDURATIO PENIS PLASTICA (2)

Program	L-0805 induratio penis plastica (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 – 6 therapies. Apply continuous mode combined with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and an antiphlogistic effect. Therapy relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (433)



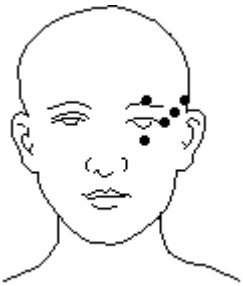
178 ISCHIALGIA

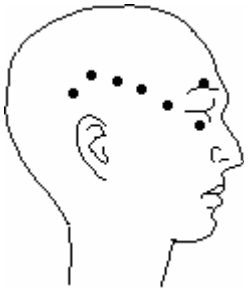
Program	L-0806 ischialgia
Therapy parameters	Dosage: 5 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	4
Number of treatments	12
Note	Irradiate at location of ischialgia, L4 - L5 or L5 - S1. Irradiate along the nerve and painful points of the paravertebral muscles, Valleix points along the whole nerve, homo-laterally and contra-laterally. (434)



179 MIGRAENA

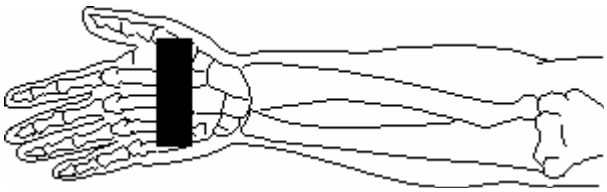
Program	L-0807 migraena
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	6 – 12
Note	Irradiate infraorbital points, temporal point, painful area of the squamous part of the temple bone. Irradiate as soon as pain begins. Watch for a regressive reaction. It is necessary to physically treat the actual blockage in the C-spine and to reflexively treat the muscles with laser therapy. (435)





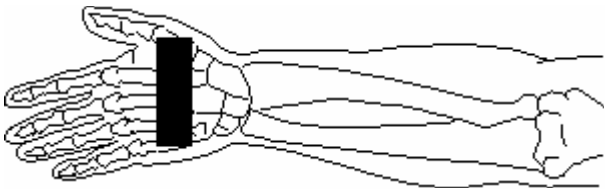
180 MORBUS DUPUYTRENE (1)

Program	L-0808 morbus dupuytrene (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 or 6 therapy sessions. Combine continuous mode with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and antiphlogistic effect. Relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (436)



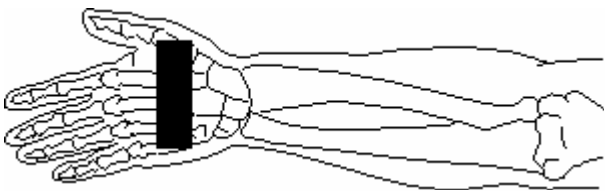
181 MORBUS DUPUYTRENE (2)

Program	L-0809 morbus dupuytrene (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	min. 8 – 10
Note	First results occur after 5 or 6 therapy sessions. Combine continuous mode with pulse frequency. Laser therapy brings relaxation, fibroblast activation, fibrin absorption and antiphlogistic effect. Relieves subjective problems and causes loosening of the contracture. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (437)



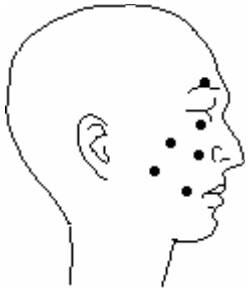
182 NEURALGIA

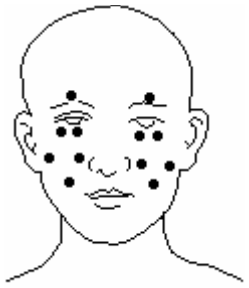
Program	L-0810 neuralgia
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 4.56 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily – 3x per week
Number of treatments	varies
Note	Irradiate trigger points and hyperallergic areas, paravertebral points and acupuncture points. Very good results with laser therapy are achieved with neuralgia that have active scar tissues as a cause. Apply laser therapy also for post-therapeutic neuralgia, where herpetic blisters and acupuncture points are irradiated. Trigeminal neuralgia - see separate entry. Additional neurological indications: cephalaea, migraine, poly-neuritis, tics, Menier disease, vertigo, apathy, depressive states, hysteria, neurasthenia, stammering, night hyperhydrosis, loss of concentration, enuresis. The desired effect does not always meet expectations. (438)



183 PARESIS NERVI FACIALIS

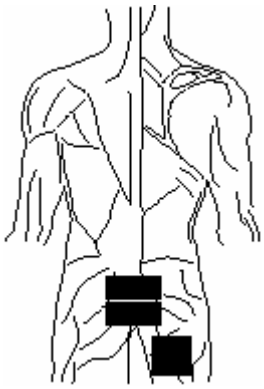
Program	L-0811 paresis nervi facialis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 4.56 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3
Number of treatments	10
Note	Use classic motor points. Torpid conditions are sometimes positively affected. (439)





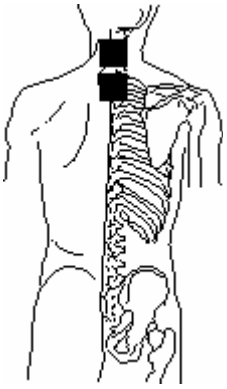
184 SACRALGIA

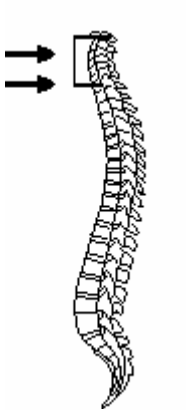
Program	L-0812 sacralgia
Therapy parameters	Dosage: 10 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared (440)



185 SPINA DORSALIS (DORSALGIA) (1)

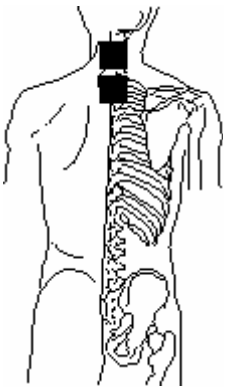
Program	L-0813 spina dorsalis (dorsalgia) (1)
Therapy parameters	Dosage: 9 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (441)

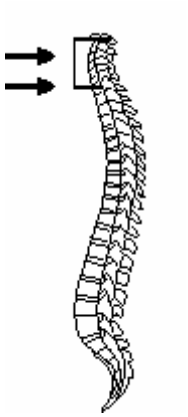




186 SPINA DORSALIS (DORSALGIA) (2)

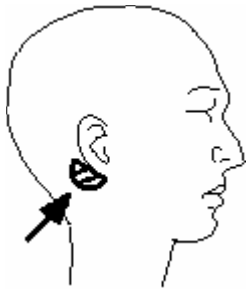
Program	L-0814 spina dorsalis (dorsalgia) (2)
Therapy parameters	Dosage: 9 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (442)





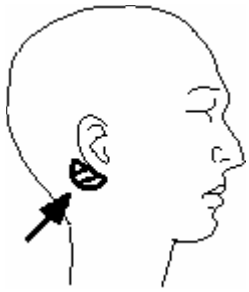
187 TINNITUS (1)

Program	L-0815 tinnitus (1)
Therapy parameters	Dosage: 10 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): 80 %
Probe	infrared
	(443)



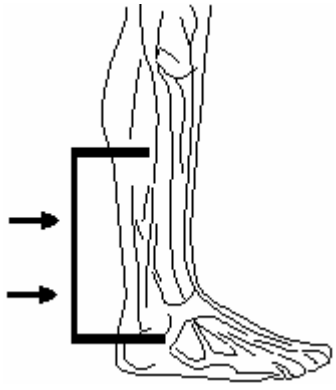
188 TINNITUS (2)

Program	L-0816 tinnitus (2)
Therapy parameters	Dosage: 10 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	infrared
	(444)



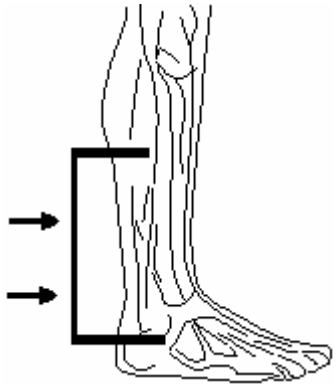
189 ACHILLODYNIA (1)

Program	L-0900 achillodynia (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states or Haglund's exostosis. Laser therapy has an analgesic, anti-edema effect, and shortens wound healing. Analgesic effect is noticeable after the first session. Acute cases (sport injuries) irradiate daily. Therapy can be combined with magnetic pulse field or ultrasound. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (446)



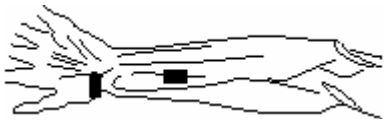
190 ACHILLODYNIA (2)

Program	L-0901 achillodynia (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states or Haglund's exostosis. Laser therapy has an analgesic, anti-edema effect, and shortens wound healing. Analgesic effect is noticeable after the first session. Acute cases (sport injuries) irradiate daily. Therapy can be combined with magnetic pulse field or ultrasound. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (447)



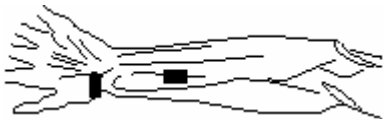
191 BURSITIS (1)

Program	L-0902 bursitis (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	4 – 16
Note	Irradiate the affected area. Laser therapy has an analgesic, anti-edema effect. Acute cases: irradiate daily. Combining the treatment with ultrasound is recommended. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (448)



192 BURSITIS (2)

Program	L-0903 bursitis (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	1 – 2
Number of treatments	4 – 16
Note	Irradiate the affected area. Laser therapy has an analgesic, anti-edema effect. Acute cases: irradiate daily. Combining the treatment with ultrasound is recommended. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (449)



193 CALCAR CALCANEI (1)

Program	L-0904 calcar calcanei (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (450)

194 CALCAR CALCANEI (2)

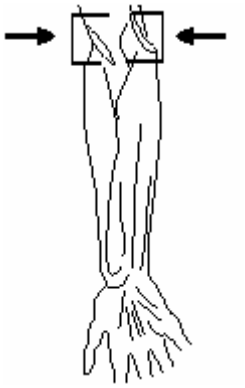
Program	L-0905 calcar calcanei (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	infrared (451)

195 DISTORSIO

Program	L-0906 distorsio
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (452)

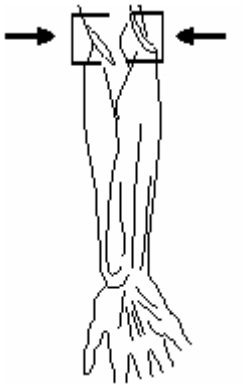
196 EPICONDYLITIS (1)

Program	L-0907 epicondylitis (1)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	10 (min. 6)
Note	Combine continuous and pulse beam. Laser therapy has an analgesic and anti-phlogistic effect. Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy. Sufficient laser power is necessary. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (453)



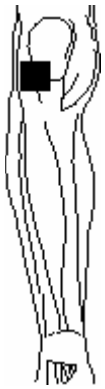
197 EPICONDYLITIS (2)

Program	L-0908 epicondylitis (2)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	10 (min. 6)
Note	Combine continuous and pulse beam. Laser therapy has an analgesic and anti-phlogistic effect. Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy. Sufficient laser power is necessary. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (454)



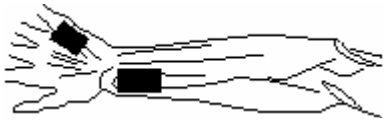
198 CHONDROPATHIA PATELLAE

Program	L-0909 chondropathia patellae
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	varies
Number of treatments	6 – 8
Note	Irradiate the affected areas. (455)



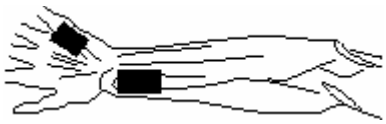
199 TENDOPATHIA (1)

Program	L-0910 tendopathia (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (456)



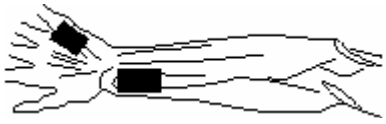
200 TENDOPATHIA (2)

Program	L-0911 tendopathia (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (457)



201 TENDOVAGINITIS (1)

Program	L-0912 tendovaginitis (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (458)

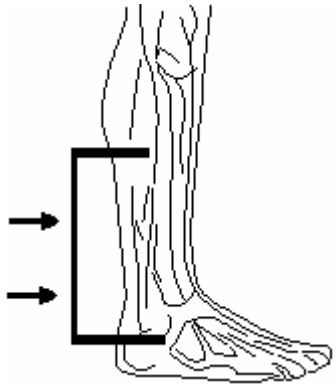


202 TENDOVAGINITIS (2)

Program	L-0913 tendovaginitis (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (459)

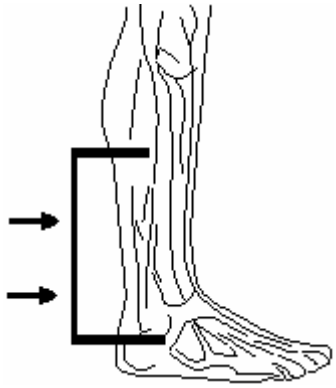
203 ACHILLODYNIA (1)

Program	L-1000 achillodynia (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states or Haglund's exostosis. Laser therapy has an analgesic, anti-edema effect, and shortens wound healing. Analgesic effect is noticeable after the first session. Acute cases (sport injuries) irradiate daily. Therapy can be combined with magnetic pulse field or ultrasound. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (461)



204 ACHILLODYNIA (2)

Program	L-1001 achillodynia (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	8 - 10 (min. 5)
Note	Irradiate as in post-surgical states or Haglund's exostosis. Laser therapy has an analgesic, anti-edema effect, and shortens wound healing. Analgesic effect is noticeable after the first session. Acute cases (sport injuries) irradiate daily. Therapy can be combined with magnetic pulse field or ultrasound. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (462)

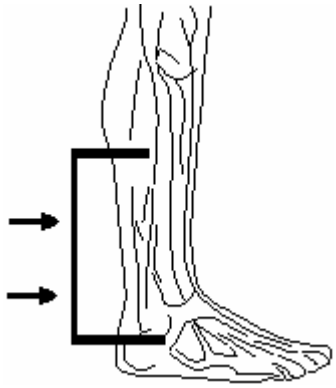


2 0 5 C O N T U S I O

Program	L-1002 contusio
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	5
Number of treatments	5 – 10
Note	Irradiate as soon as possible after injury, which hastens analgesic effect, prevents edema. When irradiation is applied immediately after injury, use density of 1.0 J/cm2. Irradiate to decrease pain, edema and to absorb a hematoma. Use 8 Hz anti-edema frequency. (463)

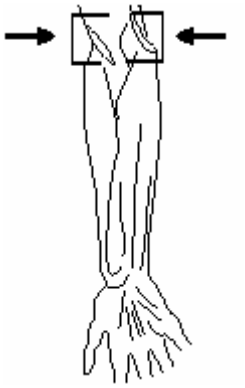
206 DISTORSIO

Program	L-1003 distorsio
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	5 - 10
Note	Apply laser therapy as soon as possible. Laser therapy has a quick analgesic effect, prevents edema development, and hastens absorption of hematoma. 8 Hz frequency can be sometimes chosen for its anti-edema effect. Immediately after the injury, a density of 1 J/cm2 is sufficient. The analgesic effect should not be a reason to leave out fixation. (464)



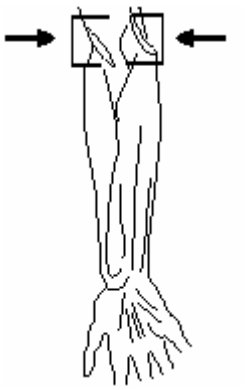
207 EPICONDYLITIS (1)

Program	L-1004 epicondylitis (1)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	10 (min. 6)
Note	Combine continuous and pulse beam. Laser therapy has an analgesic and anti-phlogistic effect. Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy. Sufficient laser power is necessary. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (465)



208 EPICONDYLITIS (2)

Program	L-1005 epicondylitis (2)
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	2 – 3
Number of treatments	10 (min. 6)
Note	Combine continuous and pulse beam. Laser therapy has an analgesic and anti-phlogistic effect. Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy. Sufficient laser power is necessary. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (466)

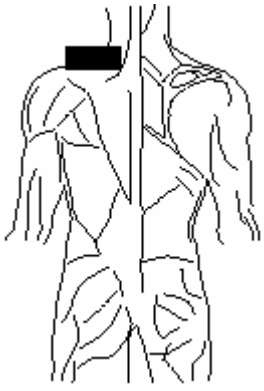


209 HAEMATOMA

Program	L-1006 haematoma
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	5
Number of treatments	3 – 10
Note	Acute hematoma. Application: frequency 6 Hz, density 3 J/cm2. Post-injury hematoma. Application: frequency 8 Hz, density 1 J/cm2. Suture hematoma. Application: frequency 5-10 Hz; density 0.9-1 J/cm2 (if very painful, 1-4 J/cm2). Irradiate around the suture. (467)

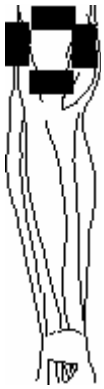
210 MYORELAXATIO

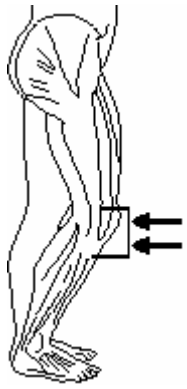
Program	L-1007 myorelaxatio
Therapy parameters	Dosage: 7 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (468)



211 OEDEMA

Program	L-1008 oedema
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2.4 Hz Duty factor (DF): 80 %
Probe	infrared (469)



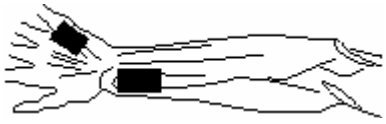


212 TENDOPATHIA (1)

Program	L-1009 tendopathia (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (470)

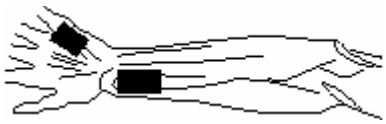
213 TENDOPATHIA (2)

Program	L-1010 tendopathia (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (471)



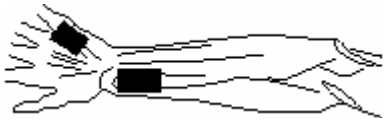
214 TENDOVAGINITIS (1)

Program	L-1011 tendovaginitis (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	infrared (472)



215 TENDOVAGINITIS (2)

Program	L-1012 tendovaginitis (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (473)

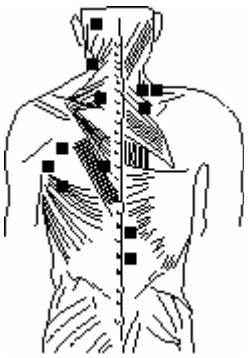


216 ACNE

Program	L-1100 acne
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 - 2
Number of treatments	varies
Note	Irradiate the affected surface. After 2 - 4 irradiation sessions, skin condition improves, fibroblast stimulation occurs, colagen production increases, and pustules dry out after several irradiation sessions. Improvement occurs after several sessions. Irradiation effect is temporary for hormonal disorders. Acne juvenilis: Laser therapy favourably affects microcirculation, creates defensive antiseptic elements, and helps prevent permanent scars. Acne vulgaris: Begin irradiation around the edges of the focus, and work towards the center.. (475)

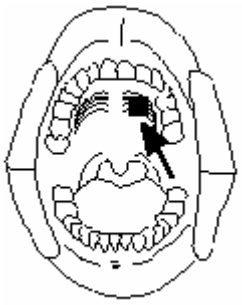
217 ANALGIA

Program	L-1101 analgia
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	varies
Note	Irradiate trigger points. (476)



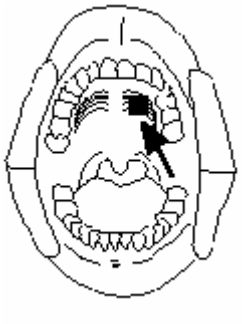
218 APHTA (STOMATITIS APHTOSA) (1)

Program	L-1102 aphta (stomatitis aphtosa) (1)
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	2 - 5 (2x per day possible)
Number of treatments	2 - 5
Note	Irradiate the entire affected surface as close to the center as possible. Traditional treatment methods usually last 8 - 10 days, but laser therapy cuts the duration to 1 - 2 days. Induces faster cessation of the burning sensation. Laser therapy reduces the number and duration of recidivation. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (477)



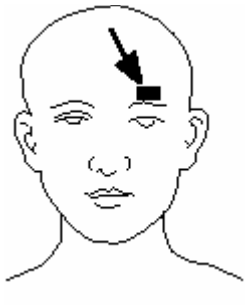
219 APHTA (STOMATITIS APHTOSA) (2)

Program	L-1103 aphta (stomatitis aphtosa) (2)
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.2 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 - 5 (2x per day possible)
Number of treatments	2 - 5
Note	Irradiate the entire affected surface as close to the center as possible. Traditional treatment methods usually last 8 - 10 days, but laser therapy cuts the duration to 1 - 2 days. Induces faster cessation of the burning sensation. Laser therapy reduces the number and duration of recidivation. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (478)



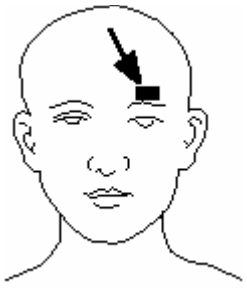
220 CICATRIX CHELOIDUM

Program	L-1104 cicatrix cheloidum
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	10 – 15 (40)
Note	Irradiate the whole scar. Nociceptive activity of keloid scars decreases. Irradiate in combination with surgical treatment. As a preventive treatment, irradiate persons with keloid forming tendencies. The older the scar, the longer the treatment. Irradiation decreases coloration of older scars. (479)



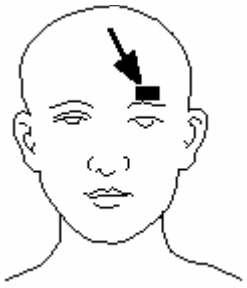
221 CICATRIX RECENS (1)

Program	L-1105 cicatrix recens (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and reduces infiltration, swelling and haematoma. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (480)



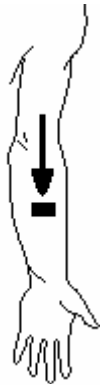
222 CICATRIX RECENS (2)

Program	L-1106 cicatrix recens (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and reduces infiltration, swelling and haematoma. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (481)



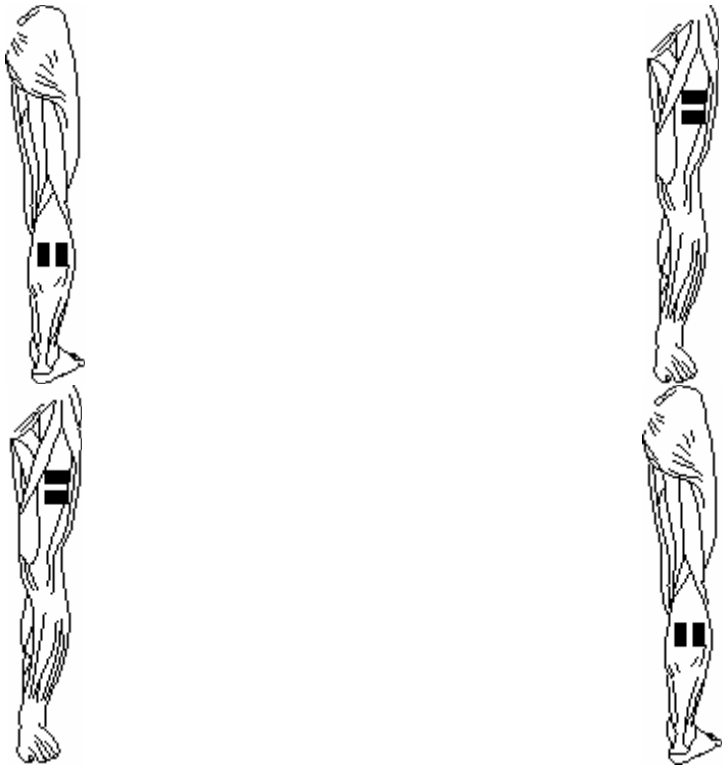
223 COMBUSTIO

Program	L-1107 combustio
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	15
Note	Irradiation eliminates infection, enhances granulation and epithelialization, reduces scarring, and prevents keloids from forming. Begin irradiation around the edges of the burn, and work towards the center. Treat the burn medically at the same time. Irradiation hastens division of basal cells, which is doubled or tripled. In addition, it reduces capillary hemorrhaging. Laser therapy supports formation of vessels, lymphatic circulation, and decreases pain. (482)



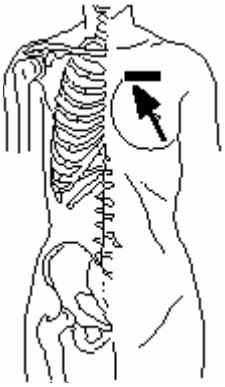
224 CONTUSIO

Program	L-1108 contusio
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	5
Number of treatments	5 – 10
Note	Irradiate as soon as possible after injury, which hastens analgesic effect, prevents edema. When irradiation is applied immediately after injury, use density of 1.0 J/cm2. Irradiate to decrease pain, edema and to absorb a hematoma. Use 8 Hz anti-edema frequency. (483)



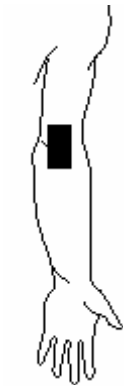
225 DERMATITIS

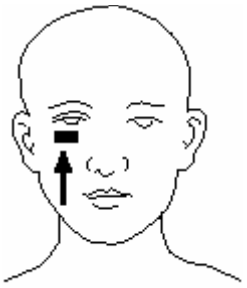
Program	L-1109 dermatitis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	varies
Note	Laser therapy applied at an acute stage (swollen and itchy skin) can have an anti-pruriginous effect, allowing treatment with sedatives to be decreased or eliminated. Reduces inflammation. Can be also used for dermatitis that is therapeutically resistant to classical treatment methods. Diagnosis:Eczema. (484)



226 ECZEMA

Program	L-1110 eczema
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red (485)





227 FURUNCULUS

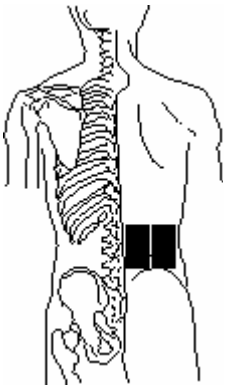
Program	L-1111 furunculus
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	varies
Number of treatments	varies
Note	Irradiate affected areas. (486)

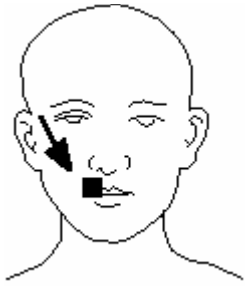
228 HAEMATOMA

Program	L-1112 haematoma
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	5
Number of treatments	3 – 10
Note	Acute hematoma. Application: frequency 6 Hz, density 3 J/cm2. Post-injury hematoma. Application: frequency 8 Hz, density 1 J/cm2. Suture hematoma. Application: frequency 5-10 Hz; density 0.9-1 J/cm2 (if very painful, 1-4 J/cm2). Irradiate around the suture. (487)

229 HERPES (1)

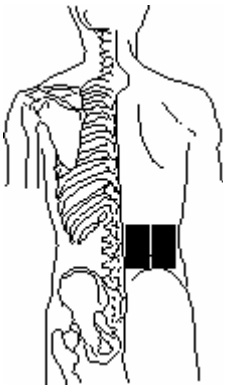
Program	L-1113 herpes (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red / infrared
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (488)

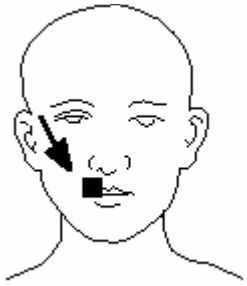




230 HERPES (2)

Program	L-1114 herpes (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (489)



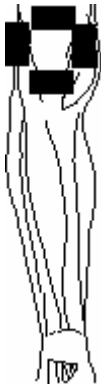


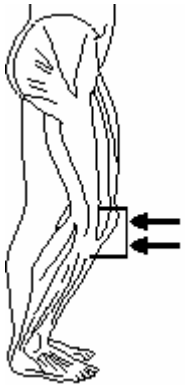
231 LICHEN PLANUS

Program	L-1115 lichen planus
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Number of treatments	varies
Note	Laser therapy quickly relieves itching and decreases the area of lichen. Given the various forms and types, parameters must be set according to patient reaction. Lichen ruber planus: density of 2-3 J/cm2, irradiate until the lichen disappears. (490)

232 OEDEMA

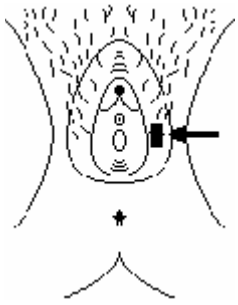
Program	L-1116 oedema
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2.4 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3 – 5
Number of treatments	5 – 15
Note	Irradiate the affected areas. (491)





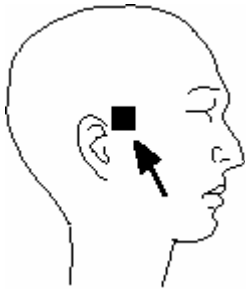
233 PRURITUS

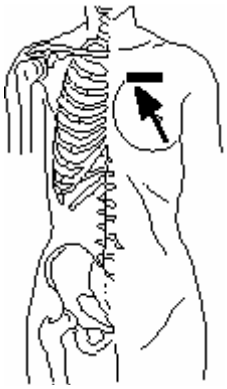
Program	L-1117 pruritus
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1st week every day, than 2-3 per week
Number of treatments	3 – 10
Note	Irradiate all area from 1 cm distance from surface skin. Laser therapy helps to eliminate discomfort of the patient. Laser therapy has analgesic, stimulation and anti-pruritis effect. (492)



234 SANATIO POSTOPERATIVA

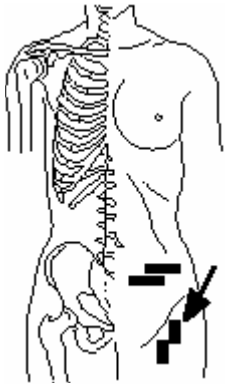
Program	L-1118 sanatio postoperativa
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 – 2
Number of treatments	1 – 4
Note	Accelerates healing of wounds. Improves blood supply. (493)





235 STRIAE

Program	L-1119 striae
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	20 – 30
Note	The sooner the treatment starts the better the result is. In neglected cases, therapy can last up to 100 sessions. (494)

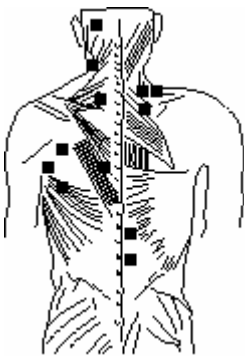


236 ACNE

Program	L-1200 acne
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 - 2
Number of treatments	varies
Note	Irradiate the affected surface. After 2 - 4 irradiation sessions, skin condition improves, fibroblast stimulation occurs, colagen production increases, and pustules dry out after several irradiation sessions. Improvement occurs after several sessions. Irradiation effect is temporary for hormonal disorders. Acne juvenilis: Laser therapy favourably affects microcirculation, creates defensive antiseptic elements, and helps prevent permanent scars. Acne vulgaris: Begin irradiation around the edges of the focus, and work towards the center.. (496)

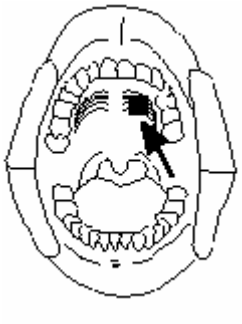
237 ANALGIA

Program	L-1201 analgia
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	daily
Number of treatments	varies
Note	Irradiate trigger points. (497)



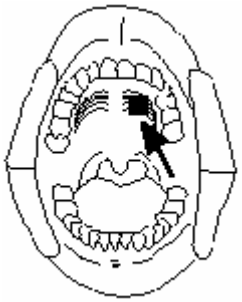
238 APHTA (STOMATITIS APHTOSA) (1)

Program	L-1202 aphta (stomatitis aphtosa) (1)
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	2 - 5 (2x per day possible)
Number of treatments	2 - 5
Note	Irradiate the entire affected surface as close to the center as possible. Traditional treatment methods usually last 8 - 10 days, but laser therapy cuts the duration to 1 - 2 days. Induces faster cessation of the burning sensation. Laser therapy reduces the number and duration of recidivation. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (498)



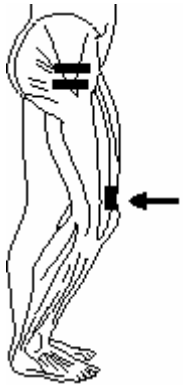
239 APHTA (STOMATITIS APHTOSA) (2)

Program	L-1203 aphta (stomatitis aphtosa) (2)
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5.2 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 - 5 (2x per day possible)
Number of treatments	2 - 5
Note	Irradiate the entire affected surface as close to the center as possible. Traditional treatment methods usually last 8 - 10 days, but laser therapy cuts the duration to 1 - 2 days. Induces faster cessation of the burning sensation. Laser therapy reduces the number and duration of recidivation. 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session. (499)



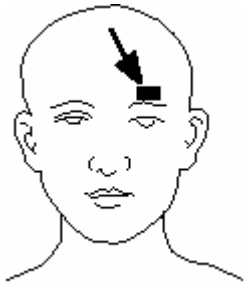
240 ARTHRITIS

Program	L-1204 arthritis
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.6 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3
Number of treatments	15 - 50
Note	When irradiating at early stages of the disease, morning stiffness is eliminated, and joint mobility is extended. After additional irradiation, swelling decreases and further inflammation is reduced. Laser therapy, in combination with traditional medical treatment, can prevent or stop further development of the disease without any deformation occurring. In advanced stages, laser therapy reduces swelling and pain, and has an anti-fibrotic effect. (500)



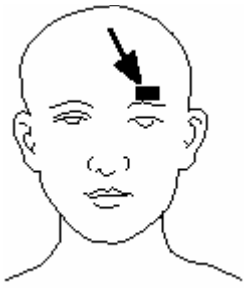
241 CICATRIX CHELOIDUM

Program	L-1205 cicatrix cheloidum
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	10 – 15 (40)
Note	Irradiate the whole scar. Nociceptive activity of keloid scars decreases. Irradiate in combination with surgical treatment. As a preventive treatment, irradiate persons with keloid forming tendencies. The older the scar, the longer the treatment. Irradiation decreases coloration of older scars. (501)



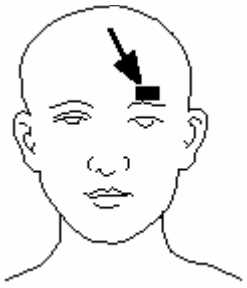
242 CICATRIX RECENS (1)

Program	L-1206 cicatrix recens (1)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and reduces infiltration, swelling and haematoma. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (502)



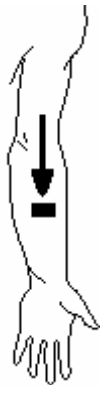
243 CICATRIX RECENS (2)

Program	L-1207 cicatrix recens (2)
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	5 – 15
Note	Irradiate the whole scar. Begin irradiation immediately after surgery. Acute cases: set a lower dose and irradiate more frequently. Chronic cases: set a higher dose and irradiate less frequently. Good laser therapy results can be achieved with burns, ulcers and keloid scars. According to some experts, it is advisable to irradiate the area 2-3 days prior to surgery, or during the surgery itself. Improved oxidation in the cells effects microcirculation in the affected tissue, and improves cellular energy use and waste drainage. Laser treatment has an analgesic effect, and reduces infiltration, swelling and haematoma. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (503)



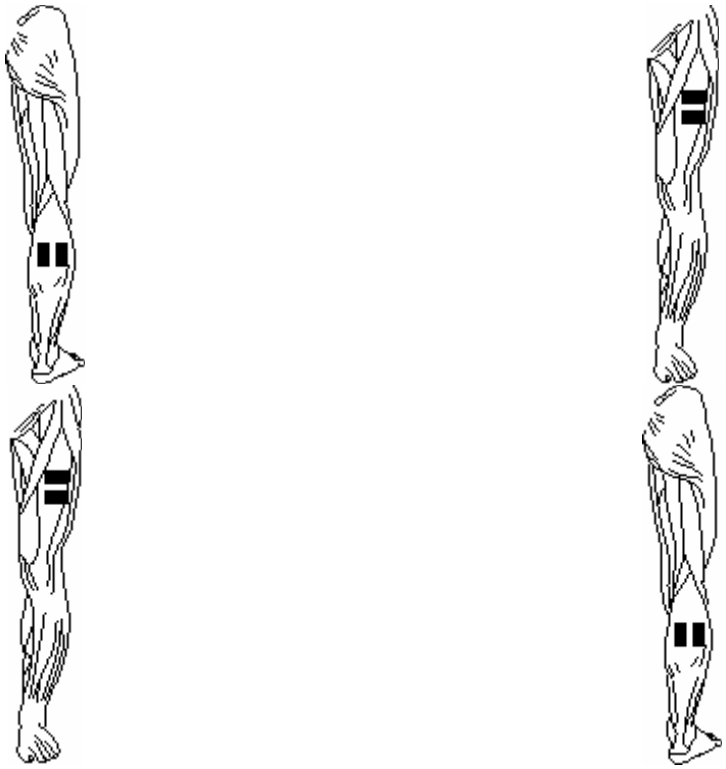
244 COMBUSTIO

Program	L-1208 combustio
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 9.12 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily – 3x per week
Number of treatments	15 (504)



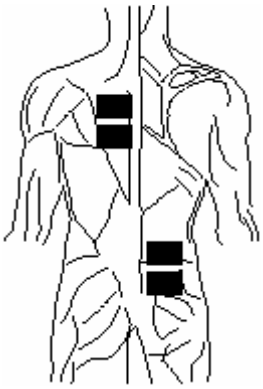
245 CONTUSIO

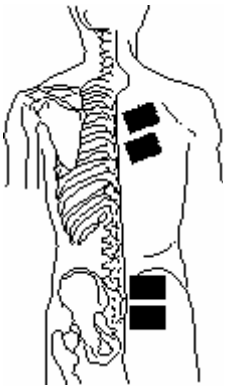
Program	L-1209 contusio
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 10 Hz Duty factor (DF): 80 %
Probe	infrared (505)



246 DECUBITUS

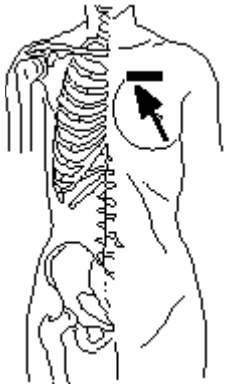
Program	L-1210 decubitus
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	daily
Number of treatments	min. 1 – 2
Note	Laser therapy has an analgesic and healing effect. Chronic disease: daily irradiation is recommended. (506)





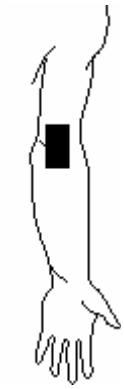
247 DERMATITIS

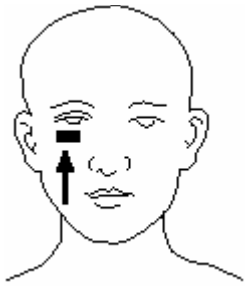
Program	L-1211 dermatitis
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Note	Laser therapy applied at an acute stage (swollen and itchy skin) can have an anti-pruriginous effect, allowing treatment with sedatives to be decreased or eliminated. Reduces inflammation. Can be also used for dermatitis that is therapeutically resistant to classical treatment methods. Diagnosis:Eczema. (507)



248 ECZEMA

Program	L-1212 eczema
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red (508)



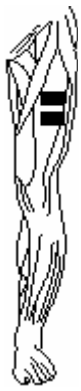


249 FURUNCULUS

Program	L-1213 furunculus
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2 Hz Duty factor (DF): 80 %
Probe	red
Note	Irradiate affected areas. (509)

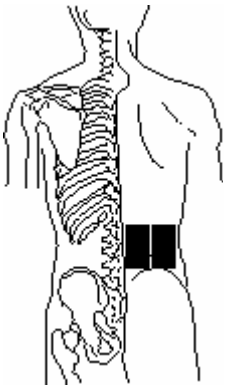
250 HAEMATOMA

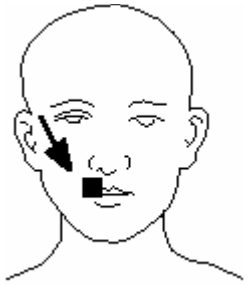
Program	L-1214 haematoma
Therapy parameters	Dosage: 1 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 6 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	5
Number of treatments	3 – 10
Note	Acute hematoma. Application: frequency 6 Hz, density 3 J/cm2. Post-injury hematoma. Application: frequency 8 Hz, density 1 J/cm2. Suture hematoma. Application: frequency 5-10 Hz; density 0.9-1 J/cm2 (if very painful, 1-4 J/cm2). Irradiate at the edges of the suture. (510)



251 HERPES (1)

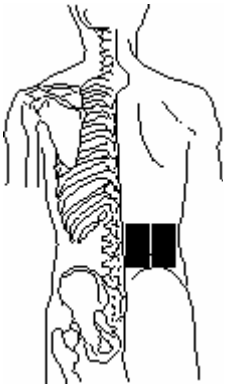
Program	L-1215 herpes (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red / infrared
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (511)

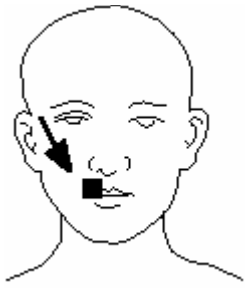




252 HERPES (2)

Program	L-1216 herpes (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red / infrared
Frequency of treatments	1st day 1-2x, then daily
Number of treatments	3 – 6
Note	Probe: use red light for lips and mucosa, and infrared light for skin. Irradiate at the first signs of tension in the tissue. Results are better when started in the early stages of the condition. Irradiate at the edges of the lesion. Doses of sufficient strength must be given because herpes can worsen if only a stimulatory dose is given. During the therapy session, irradiate first with continuous mode and then with pulse frequency. Irradiation reduces pain. Normal healing takes 8 - 14 days, but only 2-4 days with laser therapy. Reduces recurrence of the condition. Prevents the forming of blisters. Has a healing, analgesic, and anti-edema effect. (512)



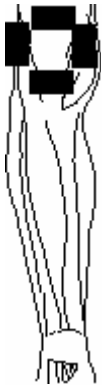


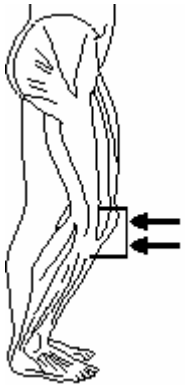
253 LICHEN PLANUS

Program	L-1217 lichen planus
Therapy parameters	Dosage: 4 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Note	Laser therapy quickly relieves itching and successively decreases the area of lichen. Because of various forms of the disease it is not possible to set general parameters of frequency and intensity of irradiation. Lichen ruber planus: dose of 2-3 J/cm2, irradiate until the lichen disappears. (513)

254 OEDEMA

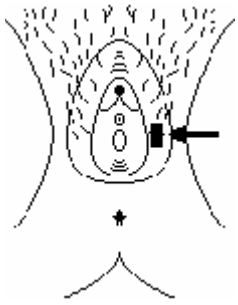
Program	L-1218 oedema
Therapy parameters	Dosage: 2 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 2.4 Hz Duty factor (DF): 80 %
Probe	infrared
Frequency of treatments	3 – 5
Number of treatments	5 – 15
Note	Irradiate the affected areas. (514)





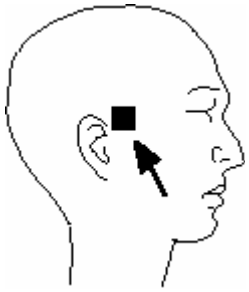
255 PRURITUS

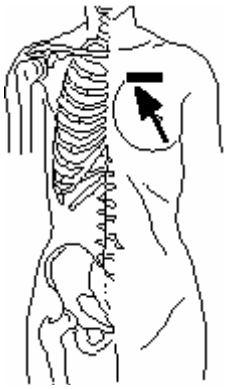
Program	L-1219 pruritus
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1st week every day, than 2 - 3x per week
Number of treatments	3 – 10
Note	Irradiate all area from 1 cm distance from the skin surface. Laser therapy helps to eliminate discomfort of the patient. Laser therapy has analgesic, stimulation and anti-pruritis effect. (515)



256 SANATIO POSTOPERATIVA

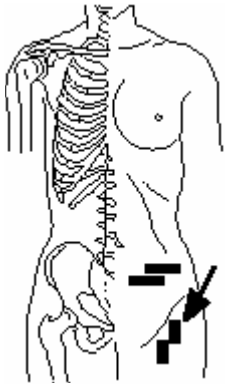
Program	L-1220 sanatio postoperativa
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	1 – 2
Number of treatments	1 – 4
Note	Accelerates healing of wounds. Improves blood supply. (516)





257 STRIAE

Program	L-1221 striae
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 8.4 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3
Number of treatments	20 – 30
Note	The sooner the treatment starts the better the result is. In neglected cases, therapy can last up to 100 sessions. (517)



258 ULCUS CRURIS (1)

Program	L-1222 ulcus cruris (1)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: Cont. Duty factor (DF): Cont.
Probe	red
Frequency of treatments	2 – 3 (daily)
Number of treatments	8 – 20
Note	Excellent clinical effect. During 1st part of therapy, use continuous mode with higher power. During 2nd part of therapy, use modulated frequency with lower power. If the parameters are well-selected, a formerly unhealable condition can be completely cured. Ulcus cruris varicosum: Irradiate daily for the first few sessions, then 2 or 3x a week. Irradiate at the edges of the ulcer. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (518)

259 ULCUS CRURIS (2)

Program	L-1223 ulcus cruris (2)
Therapy parameters	Dosage: 3 J/cm2 Power: by probe Irradiated area: 1 cm2 Frequency: 5 Hz Duty factor (DF): 80 %
Probe	red
Frequency of treatments	2 – 3 (daily)
Number of treatments	8 – 20
Note	Excellent clinical effect. During 1st part of therapy, use continuous mode with higher power. During 2nd part of therapy, use modulated frequency with lower power. If the parameters are well-selected, a formerly unhealable condition can be completely cured. Ulcus cruris varicosum: Irradiate daily for the first few sessions, then 2 or 3x a week. Irradiate at the edges of the ulcer. 1st and 2nd part of therapy should be understood as two parts of one therapy session. (519)